

0311860003/Cook County
Detrex Chemical Industries
Gold Shield Solvents
074424938

USEPA 5

RCLA
code 1

5E0401-AD402

NFA-44W
10/01/90

US EPA RECORDS CENTER REGION 5



1000549

RCLA
exempt

CERCLA
Environmental Priorities Initiative
Preliminary Assessment
Report



Illinois Environmental
Protection Agency
P.O. Box 19276,
Springfield, IL 62794-9276

RELEASED
DATE 2-7-00
RIN # 00509-00
INITIALS MT

Confidential Material May be Enclosed

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
Location	3
Current Operations	3
History	3
Permitting Status/Hazardous Materials	4
SWMU Identification	5
SWMU #1 Drum Storage Area	6
SWMU #2 Waste Handling Area	8
SWMU #3 Fuel Oil Spill Area	9
SWMU #4 Laboratory	10
Areas of Concern	11
Compliance History	12
Visual Site Inspection	12
Site Releases/Sampling	14
Targets	14
Site Map	16
Facility Photographs	17
Preliminary Assessment Form	29
Supporting Documentation	33

TABLE OF CONTENTS

<u>Appendix</u>	<u>Page</u>
A Illinois Location Map	A-1
B Site 4-Mile Radius	B-1
C Wind Rose	C-1

Location

Gold Shield Solvents, a division of Detrex Chemical Industries, Incorporated can be found at 2437 LeMoyne Street, Melrose Park, Cook County, Illinois 60160. The Detrex Chemical Industries headquarters are at P.O. Box 501, Detroit, Michigan 48232. The 0.534 acre facility is located in the NE1/4 of the NE1/4 of Section 4, Township 39 N, Range 12 E.

The facility is located in an area which has been developed as industrial, manufacturing and commercial. Gold Shield Solvents is bound on the north by the rear section of Al Piemonte's Ford automobile sales and service property, on the east by Crown Plastic Container of Lamintia Plastics, Inc., on the south by LeMoyne Street, south of which is a large warehouse, and on the west by U.S. Elevator. LeMoyne Street provides access to Gold Shield Solvents and all of its immediately surrounding neighbors with the exception of Al Piemonte Ford. The closest residence to Gold Shield Solvents is approximately one eighth of a mile east on LeMoyne Street. This residential area is separated from the industrial area by 25th Street.

Current Operations

Gold Shield Solvents specializes in the sale of halogenated solvents, cleaning equipment (vapor degreasing machines), and the collection of solvent wastes generated in degreasing and other cleaning operations. The hazardous waste operation at the Gold Shield Solvents facility in Melrose Park consists of a container storage area used for the storage of drummed solvent wastes prior to the transfer of these wastes to an off-site Detrex solvent reclamation facility or to an off-site permitted treatment/disposal facility.

The facility consists of one brick building of 15,000 square feet. Administrative offices, located in the southeast corner of the building, are separated from the 1200 square feet warehouse and receiving dock by interior walls. The receiving dock is located in the southwest corner of the warehouse and has a concrete inclined entry ramp which enters the property from LeMoyne Street.

History

The site was used by a fire brick company, Moroney, who operated a distribution center from 1955 to 1974 before they moved to Bedford Park, IL. According to Jack Calmeym of Moroney, the site was vacant before they rented the property. Clauss Oil, located at the west end of LeMoyne Street, may have owned the property at that time. The current property owner is Richard LaReno Company, 1325 Wiley Road-Suite 160, Schaumburg, IL 60195.

Permitting Status/Hazardous Materials

Gold Shield Solvents filed their RCRA Part A on November 18, 1980 which included a 12,500 gallon container storage area (S01). The estimated annual quantity of waste at was reported as 1,186,000 gallons of F001 wastes and 62,400 gallons of F002 wastes.

IEPA issued an operational permit (#1980-44-OP) to Gold Shield Solvents on April 15, 1981 which allowed for a maximum waste storage capacity of 500 drums (27,500 gallons) and the ability to accept 1500 gallons per day. Supplemental permit #1982-108-SP issued September 10, 1982, called for special condition #7 of the operational permit to include the wastes: trichloroethylene; 1,1,1-trichloroethane; Perchloroethylene (Tetrachloroethylene); fluorocarbon 113 (trichlorotrifluoroethane); and methylene chloride. Supplemental permit #1984-875-SP allowed the convenience of generic waste streams.

SWMU Identification

After review of IEPA files, conversations with the state RCRA permit staff and a Visual Site Inspection, four Solid Waste Management Units (SWMU's) were identified at Gold Shield Solvents. The SWMU's consist of the following:

- #1 Drum Storage Area
- #2 Waste Handling Area
- #3 Fuel Oil Spill Area
- #4 Laboratory

SWMU #1: Drum Storage Area
(photographs #4, #6-#9)

Unit Description: The drummed hazardous waste storage area (interim status) has approximate dimensions of 30 feet by 50 feet and is located in the NE corner of the warehouse. The unit has a 500-55 gallon drum permitted capacity (27,500 gallons) and consists of a concrete slab floor without expansion or control joints. Drums are stacked 2 to 3 high with the bottom drums on pallets set in rows 2 feet apart.

Age of Unit: The unit has operated since Gold Shield began leasing the property in 1974 (16 years).

Date of Closure: The unit is active with no anticipated date of closure.

Wastes Managed: Drummed waste chlorinated hydrocarbons (F001 and F002) solvent and sludge (from partial distillation by certain customers) Tetrachloroethylene, Trichloroethylene, 1,1,1-Trichloroethane, Trichlorotrifluoroethane (Freon 113) and Methylene Chloride.

Release Controls: Secondary containment was installed in 1982 and consists of a 3.5 inch concrete dike surrounding the entire north half of the warehouse. The dimensions of the diked area are 59 feet 8 inches by 90 feet 6 inches with a holding volume of 8,880 gallons.

History of Releases: There is no documented releases from this unit, however, there is staining and cracks on the concrete slab.

Conclusions: Soil/Groundwater: The release potential to soil or groundwater is moderate due to the staining and cracks in the concrete pad.

Surface Water: The release potential to surface water is low due to unit design.

Air: The release potential to air is moderate due to the volatile organic constituents of the wastes managed.

SWMU #1: (continued)

Subsurface Gas: The potential for the generation of subsurface gas is low due to unit design.

SWMU #2: Waste Handling Area
(photographs #2, #3 and #18)

Unit Description: A 30 feet by 25 feet depressed concrete dock and a 30 feet by 20 feet area of warehouse floor is used for transporting drummed waste from trucks to the drum storage area and vis versa.

Age of Unit: Wastes have been loaded and unloaded in this area since Gold Shield Solvents began leasing the property in 1974 (16 years).

Date of Closure: The unit is active with no anticipated date of closure.

Wastes Managed: Same as SWMU #1 plus 2 small pans of used crankcase oil (approximately 10 gallons) are stored along the west wall of the depressed dock.

Release Controls: The depressed dock would contain any spills, however, just outside the dock overhead door is a sloped concrete drive with a storm sewer drain.

History of Releases: There is no documented releases from this unit, but there were stains on the concrete of the depressed dock.

Conclusions: Soil/Groundwater: The release potential to soil or groundwater is low do to unit design.

Surface Water: The release potential to surface water is moderate due to the wastes ability to enter the storm sewer drain and not be completely treated by Chicago's WWTP.

Air: The release potential to air is moderate due to the volatile organic constituents of the wastes managed.

Subsurface Gas: The potential for the generation of subsurface gas is low due to unit design.

SWMU #4: Laboratory
(photograph #1)

Unit Description: A laboratory setup near the south end of the warehouse is used to determine waste solvent content by specific gravity. The flooring is a concrete slab.

Age of Unit: The unit has been used since Gold Shield Solvents began operations in 1974 (16 years).

Date of Closure: The laboratory is presently active with no anticipated date of closure.

Wastes Managed: Same as SWMU #1

Release Controls: The wastes are contained in jars. There is no secondary containment.

History of Releases: There is no documented or visual evidence of a release from this unit.

Conclusions: Soil/Groundwater: The release potential to soil or groundwater is low due to unit design.

Surface Water: The release potential to surface water is low due to unit design.

Air: The release potential to air is moderate due to the volatile organic constituents of the wastes managed.

Subsurface Gas: The potential for the generation of subsurface gas is low due to unit design.

Areas of concern (AOC's)

- #1 Rail Unloading Area
- #2 Potential LUST

The first AOC is located directly north of the warehouse adjacent a train loading dock. Trichloroethylene is unloaded from rail cars to a bulk storage tank using a portable pump. The pump is connected between rail car and tank plumbing with hoses. Routine uncoupling of the hoses after the solvent has been pumped may lead to soil contamination in this area. Photographs #16 and #17 are pictures of this area.

Photograph #19 shows two small diameter, steel pipes sticking out of a hole in the brick building near the truck ramp. It is uncertain where these pipes lead, as the facility was unable to determine the pipes usage. A roto-rooter was blocked off as the pipes entered the ground. If the pipes were part of an old underground storage tank, it would be possible that a tank of such age has corroded and leaked. AOC #2 is a possible leaking underground storage tank (LUST).

Compliance History

The facility has had only a few past violations (not posting danger signs, exceeding 500 drummed waste limit). Violations were corrected in a timely fashion.

Visual Site Inspection

At 12:45 pm on March 20, 1989, a visual site inspection was conducted by the team of Tim Murphy, Amy Dragovich, Keri Luly and Mara McGinnis of IEPA. The team was informed that Gold Shield Solvents was no longer the proper name of the facility, Detrex Corporation Solvents Division was now the official name. The facility was resented by Danial Anderson, Branch Manager of 2 weeks, Donna Cook, manager/secretary of 16 years, Rich Fuentes, driver of 15 years, and Jim Provenzano, warehousman of one and a half years. The weather conditions were sunny and pleasant, with a temperature of 50 degrees Fahrenheit.

The facility is located in the center of an industrialized block of Melrose Park. Residential neighborhoods are zoned 700 feet east and 1600 feet southwest of the facility.

After introductions, Mrs. Cook answered a few questions concerning the history of the facility. The IEPA team then left the office with Mr. Anderson, and entered the warehouse. There was a slight solvent odor but nothing overwhelming. Ceiling fans maintained air circulation throughout the warehouse. The basic structures (walls, concrete slab flooring, concrete dock, etc.) of the warehouse has remained the same since Gold Shield Solvents first leased the property in 1974.

Inside the warehouse near the office door was the facility laboratory (SWMU #4). The laboratory was set up to sample specific gravity and to send out samples for analysis of other parameters elsewhere.

The depressed dock inside the warehouse is used to load and unload wastes and all but one of the products. The dock and unloading/loading area next to it has been designated as SWMU #2, the waste handling area. Drums are transferred within this unit by a forklift with a drum handling attachment or hand drum trucks for short distances. There was a large stain on the concrete flooring of the dock. Outside the dock's overhead door is a storm sewer drain, flowing to the Greater Chicago water Reclamation District.

The team proceeded north in the warehouse over a 3.5 inch ramp (part of the secondary containment dike) to the drum filling assembly, used to fill drums from the bulk shipments. The drums of cleaning solvent go out to the customers who reuse the same drums as waste containers. The Gold Shield

Solvent driver picks up the customers waste and delivers new solvent during the same trip.

The team then went over to the east side of the diked northern half of the warehouse to check out the drum storage area (SWMU #1). The area was less than one third of full capacity (500 drums) which gave the team a chance to see the flooring. The concrete slab showed a high degree of staining, especially in the northeast corner (photograph #9). There were also several cracks in the slab which would have to be filled.

The team exited the warehouse via the west side door, out to the alley. One of two fuel oil tanks had been overfilled and had spilled over onto the asphalt drive (SWMU #3). Three 20,000 gallon product storage tanks and the diking surrounding them were inspected. Behind the warehouse, on the north side, is where the rail cars unload trichloroethylene. The absence of vegetation determined this to become AOC #1.

After Mr. Anderson and the team discussed specifics of the RCRA Part B permit application, we proceeded back inside the warehouse. IEPA's Amy Dragovich offered suggestions as to the sealing of the concrete slab, isle space and stacking of the waste drums. Inside the office, Mrs. Cook explained the inability to determine the origin of the two small diameter steel pipes protruding from the brick hole outside. She said that the pipes could be a underground storage tank (AOC #2).

The Visual Site Inspection ended at 1:58 pm after the outside photographs were taken.

Site Releases/Sampling

Sampling has never been conducted at the facility. Potential soil/groundwater contamination exists with SWMU #3 and both AOC'S.

Groundwater Targets

Located from 1-2 miles of the Gold Shield Solvents, are six municipal supply wells serving over 40,500 people. All but two of these wells are open to the deeper Ordovician System. The two shallow wells supply 575 residents of Buckhorn Ranch Estates Mobile Home Park. These wells are approximately 340 feet deep open to Silurian dolomite. Several non-community supply wells are also located close to the facility. The Illinois Department of Public Health's list of unincorporated wells shows that Country Club Motel and the Melrose Park Family Picnic Area each have well's supplying over 25 people. The Illinois State Water Survey lists a number of industrial and commercial wells within 3 miles of the site.

A boring log generated by the Illinois Department of Transportation (IDOT) describes the geology 2.7 miles north-northeast of the facility as follows:

Depth (feet)	<u>Geologic Material</u>
0-2	Gravel
2-15	Brown CLAY
15-29	Gray CLAY
29-40	Gray Silty LOAM
40-52	Gray CLAY

End Of Boring (Auger Refusal)

Some shallow (12 feet deep) IDOT borings within one mile of Gold Shield Solvents, indicated that groundwater, after 24 hours, ranged in depth from 2.5 to 6 feet of surface.

Surface Water Targets

The general topography of the area is relatively flat and facility runoff would flow into storm sewer drains. The nearest flowing surface waters is Silver Creek, approximately 2,400 feet east-northeast of Gold Shield Solvents. Silver Creek flows southeast to the Des Plaines River about 1.8 miles east of the facility.

Federal Insurance Administration Maps indicate that the site is not located in a 100-year flood boundary.

Air Targets

No air releases have been documented at the site. The area within a quarter of a mile of the site is almost entirely industrialized, but within one mile of the site, there is a population exceeding 10,000 people.

Direct Contact

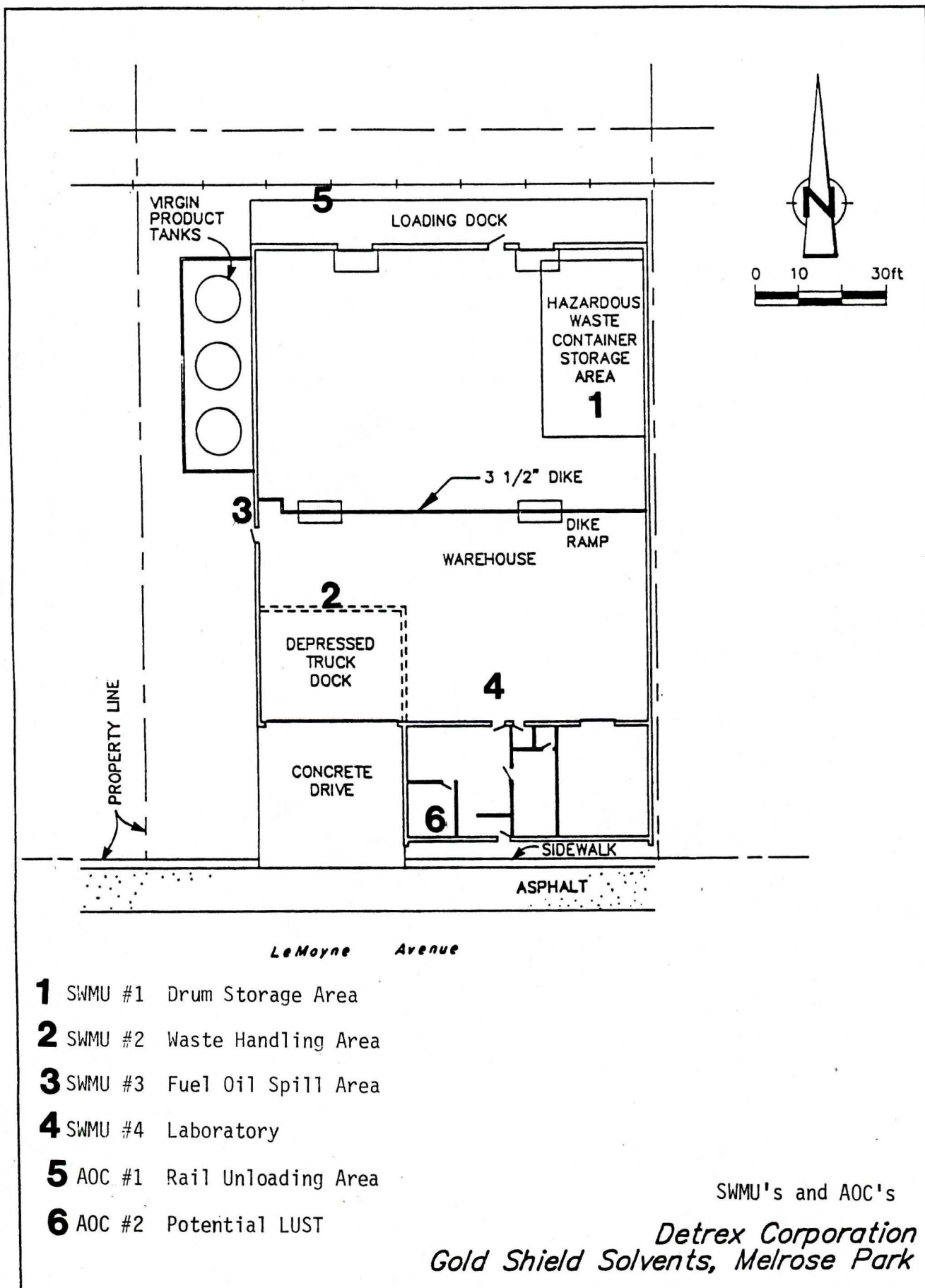
Facility access is restricted by a chain link fence in the alley and a secured building.

Conclusions and Recommendations

Do to containment features, the facility does not score high enough to continue in the CERCLA process, however, a RCRA Facility Investigation (RFI) and/or conditions of the Part B Permit should address sampling of the potentially contaminated AOC's and SWMU's.

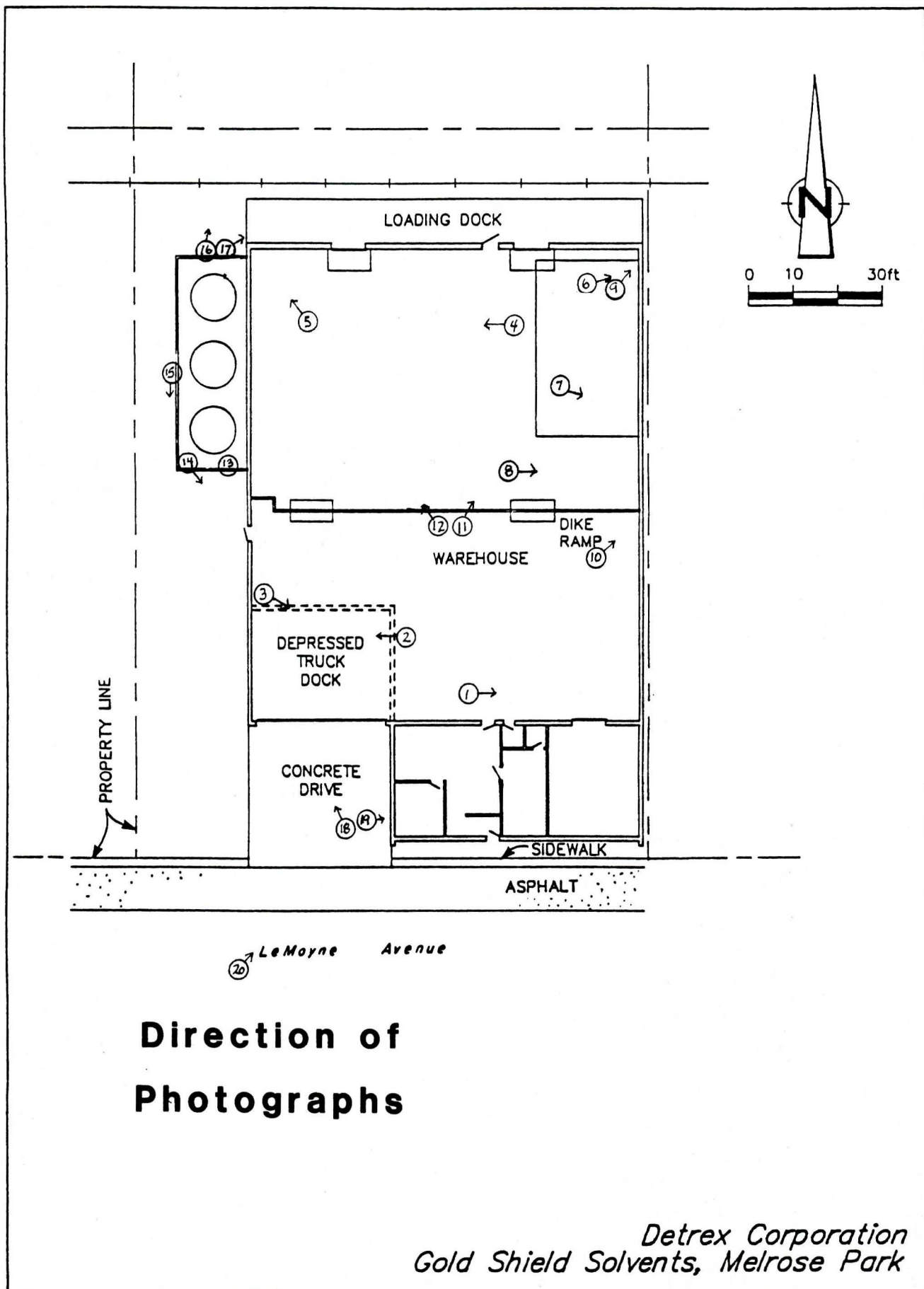
SUMMARY OF SUGGESTED FURTHER ACTIONS

Unit No.	Unit Name	Operational Dates	Suggested Further Action	Evidence of Release
1	Drum Storage Area	1974-	seal cracks, require RCRA closure prior to closure as part of the Part B Permit	stains, cracks
2	Waste Handling Area	1974-	seal drain prior to use, inspect structural integrity-cracks, deterioration	stains
3	Fuel Oil Spill Area	unknown	stop overflows and leaks, determine by sampling whether soil has been contaminated	yes
4	Laboratory	1974-	none	no
AOC No.				
1	Tank Car Unloading Area	1974-	stop spills, sample soil for contamination	lack of flora
2	Possible LUST	unknown	sample soil	no



**FACILITY
PHOTOGRAPHS**

MARCH 20, 1990



DATE: 3-20-90

TIME: 1:10 pm

Photograph by:

Tim Murphy

Location: Gold Shield Solvents

2537 LeMoyne St., Melrose

Park, IL 60160, Cook Co.

Comments: Picture taken toward

the east of SWMU #4,
laboratory



DATE: 3-20-90

TIME: 1:10 pm

Photograph by:

Tim Murphy

Location: Gold Shield

Solvents, Melrose Park

Comments: Picture taken toward

the west of SWMU #2,
waste handling area, note
used oil in blue pans



2

DATE: 3-20-90

TIME: 1:12pm

Photograph by:
Tim Murphy

Location: Gold Shield Solvents
2537 LeMoyne St., Melrose
Park, IL 60160, Cook Co.

Comments: Picture taken toward
the east of SWMU #2,
waste handling area, lab in
the background



3

DATE: 3-20-90

TIME: 1:15 pm

Photograph by:
Tim Murphy

Location: Gold Shield
Solvents, Melrose Park

Comments: Picture taken toward
the west of waste
drums



4

DATE: 3-20-90

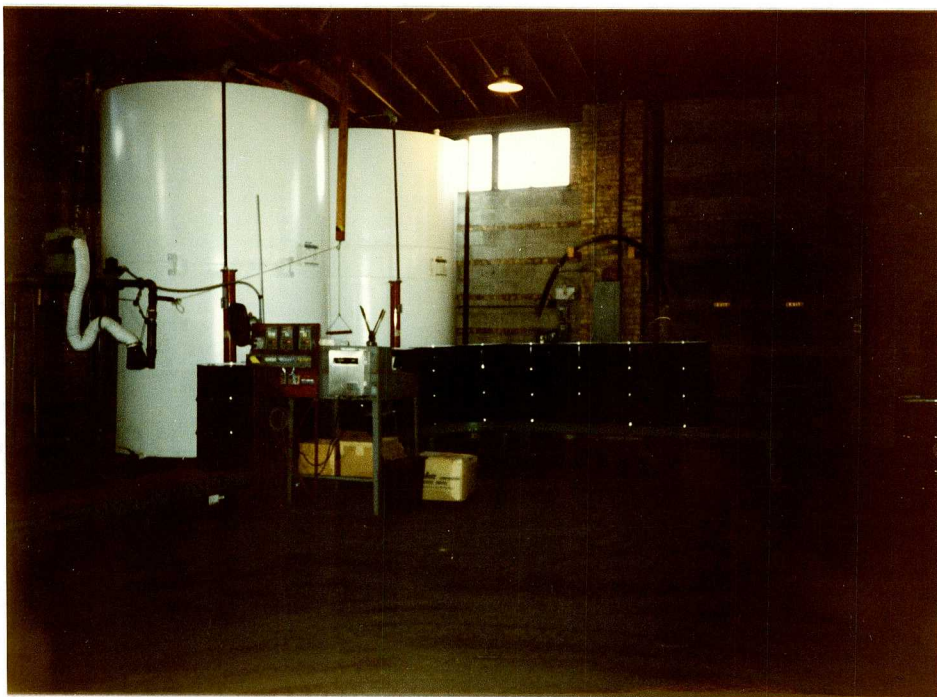
TIME: 1:15pm

Photograph by:

Tim Murphy

Location: Gold Shield Solvents
2537 Le Moyne St., Melrose
Park, IL 60160, Cook Co.

Comments: Picture taken toward
the North-Northwest of
the drumming operation of
product going to customers



5

DATE: 3-20-90

TIME: 1:20pm

Photograph by:

Tim Murphy

Location: Gold Shield
Solvents, Melrose Park

Comments: Picture taken toward
the east-Northeast of
SWMU #1, part of the
drum storage area



6

DATE: 3-20-90

TIME: 1:20 pm

Photograph by:

Tim Murphy

Location: Gold Shield Solvents
2537 Le Moyne St., Melrose
Park, IL 60160, Cook Co.

Comments: Picture taken toward

the east-southeast of
SWMU #1, part of drum
storage area



7

DATE: 3-20-90

TIME: 1:20 pm

Photograph by:

Tim Murphy

Location: Gold Shield
Solvents, Melrose Park

Comments: Picture taken toward

the east of SWMU #1,
South part of drum
storage area



8

DATE: 3-20-90

TIME: 1:22 pm

Photograph by:

Tim Murphy

Location: Gold Shield Solvents
2537 Le Moyne St., Melrose
Park, IL 60160, Cook Co.

Comments: Picture taken toward
the North east of the
Northeast corner of SWMU
#1, drum storage area



9

DATE: 3-20-90

TIME: 1:28 pm

Photograph by:

Tim Murphy

Location: Gold Shield
Solvents, Melrose Park

Comments: Picture taken toward
the North east in an
area just south of
SWMU#1, various
product drums including
6 drums of Sodium
hydroxide



10

DATE: 3-20-90

TIME: 1:35pm

Photograph by:

Tim Murphy

Location: Gold Shield Solvents

2537 Le Moyne St., Melrose

Park, IL 60160, Cook Co.

Comments: Picture taken toward

the Northeast of the

back half of the

warehouse in the

diked area

DATE: 3-20-90

TIME: 1:35pm

Photograph by:

Tim Murphy

Location: Gold Shield

Solvents, Melrose Park

Comments: Picture taken toward

the Northwest of the

back half of the

warehouse in the

diked area



11



12

NE

N
TOP

NW

Bottom

DATE: 3-20-90

TIME: 1:40 pm

Photograph by:

Tim Murphy

Location: Gold Shield Solvents
2537 LeMoyné St., Melrose
Park, IL 60160, Cook Co.

Comments: Picture taken toward
the ground in the alley
outside the warehouse of
the dike for the 3
20,000 gallon product
Storage tanks



13

DATE: 3-20-90

TIME: 1:41 pm

Photograph by:

Tim Murphy

Location: Gold Shield
Solvents, Melrose Park

Comments: Picture taken toward
the south east of
SWMU #3, fuel oil
spill area



14

DATE: 3-20-90

TIME: 1:42 pm

Photograph by:

Tim Murphy

Location: Gold Shield Solvents
2537 Le Moyne St., Melrose
Park, IL 60160, Cook Co.

Comments: Picture taken toward
the south of dike
and product tanker



15

DATE: 3-20-90

TIME: 1:45 pm

Photograph by:

Tim Murphy

Location: Gold Shield
Solvents, Melrose Park

Comments: Picture taken toward
the north at the ground
of AOC #1, part of
rail unloading area



16

DATE: 3-20-90

TIME: 1:45 pm

Photograph by:

Tim Murphy

Location: Gold Shield Solvents

2537 LeMoyné St., Melrose

Park, IL 60160, Cook Co.

Comments: Picture taken toward

the north east of AOC

#1, rail unloading area



17

DATE: 3-20-90

TIME: 1:55 pm

Photograph by:

Tim Murphy

Location: Gold Shield

Solvents, Melrose Park

Comments: Picture taken toward

the northwest at the

ground of the storm

sewer drain next to

SWMU #2, waste handling

area



18

DATE: 3-20-90

TIME: 1:56 pm

Photograph by:

Tim Murphy

Location: Gold Shield Solvents
2537 LeMoyne St., Melrose
Park, IL 60160, Cook Co.

Comments: Picture taken toward
the east of AOC #2,
possible LUST indicated
by unknown piping



19

DATE: 3-20-90

TIME: 1:58 pm

Photograph by:

Tim Murphy

Location: Gold Shield
Solvents, Melrose Park

Comments: Picture taken toward
the Northeast toward
the front of Gold Shield
Solvents from across
Lemoyne Street



20

0311860003



**POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT**

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	074424938

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) <i>solvents</i> <i>Detrex Chemical Industries - Gold Shield</i>		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER <i>2537 Le Moyne Street</i>	
03 CITY <i>Melrose Park</i>	04 STATE <i>IL</i>	05 ZIP CODE <i>60160</i>	06 COUNTY <i>Cook</i>
07 COUNTY CODE <i>031</i>		08 CONG DIST <i>11</i>	
09 COORDINATES LATITUDE _____		LONGITUDE _____	

10 DIRECTIONS TO SITE (Starting from nearest public road)
Take 294 tollway to St. Charles Rd. exit east to 25th Street North, Le Moyne Street west

III. RESPONSIBLE PARTIES

01 OWNER (If known) <i>Richard LaReno Company</i>		02 STREET (Business, mailing, residential) <i>1325 Wiley Road Suite 160</i>	
03 CITY <i>Shauburg</i>	04 STATE <i>IL</i>	05 ZIP CODE <i>60195</i>	06 TELEPHONE NUMBER <i>(708) 885-9600</i>
07 OPERATOR (If known and different from owner)		08 STREET (Business, mailing, residential)	
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ()

13 TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☒ A. RCRA 3001 DATE RECEIVED: ____/____/____ MONTH DAY YEAR ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ____/____/____ MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION		BY (Check all that apply)	
<input checked="" type="checkbox"/> YES DATE ____/____/____ MONTH DAY YEAR	<input type="checkbox"/> NO	<input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR	<input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify)
CONTRACTOR NAME(S): _____			

02 SITE STATUS (Check one)

☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION

1974 | *Present*
BEGINNING YEAR ENDING YEAR

☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Chlorinated Solvents

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

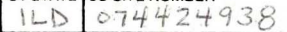
soil (environment)
GW (pop. + environment)
air (pop.)

V. PRIORITY ASSESSMENT**01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)**

☐ A. HIGH (inspection required promptly) ☐ B. MEDIUM (inspection required) ☐ C. LOW (inspect on time available basis) ☒ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT <i>Daniel C. Anderson</i>		02 OF (Agency/Organization) <i>Detrex Corporation</i>		03 TELEPHONE NUMBER <i>(708) 345-3806</i>	
04 PERSON RESPONSIBLE FOR ASSESSMENT <i>Timothy J. Murphy</i>		05 AGENCY <i>IEPA</i>	06 ORGANIZATION <i>RAMS</i>	07 TELEPHONE NUMBER <i>217 1785-5737</i>	08 DATE <i>03/26/90</i> MONTH DAY YEAR



I HIGHLY VOLATILE
J EXPLOSIVE
K REACTIVE
L INCOMPATIBLE
M NOT APPLICABLE



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL0 074424938

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION

02 ☐ OBSERVED (DATE _____)

☒ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

See F. below

depth to GW ranges from 2.5' to 6' w/in one mile of facility

01 ☐ B. SURFACE WATER CONTAMINATION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

NONE documented or observed

01 ☒ C. CONTAMINATION OF AIR

02 ☐ OBSERVED (DATE _____)

☒ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 10,000

04 NARRATIVE DESCRIPTION

volatile nature of solvent wastes could contribute to an air release at very low levels

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

NONE documented or observed

01 ☐ E. DIRECT CONTACT

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

NONE documented or observed

01 ☒ F. CONTAMINATION OF SOIL

02 ☐ OBSERVED (DATE _____)

☒ POTENTIAL

☐ ALLEGED

03 AREA POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

(Acres)
Stains and cracks noticed during VSI at drum storage (H.Waste) area, in concrete slab containment system. Fuel oil spills in alley. Possible LUST. Spillage in rail unloading area, a possible soil contamination area

01 ☐ G. DRINKING WATER CONTAMINATION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 575-650

04 NARRATIVE DESCRIPTION

Public water supplies w/in 2 miles of facility include Buckhorn Ranch Estates MHP w/ 2-340' Silurian Dolomite wells and several non-community wells serving in excess of 25 people

01 ☒ H. WORKER EXPOSURE/INJURY

02 ☐ OBSERVED (DATE _____)

☒ POTENTIAL

☐ ALLEGED

03 WORKERS POTENTIALLY AFFECTED: 2

04 NARRATIVE DESCRIPTION

Workers may be exposed to solvent fumes

01 ☐ I. POPULATION EXPOSURE/INJURY

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

NONE documented or observed



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
ILD 074424938

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

No flora observed in rail unloading area during VSI

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

None documented or observed

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

None documented or observed

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills runoff standing liquids leaking drums)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

None documented or observed

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

None documented or observed

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

None documented or observed

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

None documented or observed

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 650

IV. COMMENTS

Since 1974, the facility has been a distributor of degreasing machines and the solvents used to operate the machines. The facility also picks up the waste solvents from their customers and stores the waste in a diked area of their warehouse prior to exporting to a reclaimer.

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

IEPA DLPC file L0311860003
Site Inspection 03/20/90 (VSI)
IDOT boring logs

Supporting Documentation

<u>Document</u>	<u>Reference Number</u>
RCRA Part A	1
Gold Shield Solvents Spill Prevention Program 11/21/80	2
IEPA Memorandum 01/03/80	3
IEPA Developmental Permit Application 02/25/80	4
IEPA Pre-Operating Inspection Memorandum 03/25/81	5
IDOT Borings	6
RCRA Part B Permit Application	*

* Available from IEPA and USEPA

592

DETREX CHEMICAL INDUSTRIES, INC.



P.O. BOX 501, DETROIT, MICHIGAN 48232

EXECUTIVE OFFICE

TELEPHONE (313) 358-5800

TWX 810-224-4756

November 18, 1980

EPA Region V
RCRA Activities
P. O. Box 7861
Chicago, IL 60680

Gentlemen:

Enclosed is an Application for a Hazardous Waste Permit for
our facility at:

2537 LeMoyné Ave.
Melrose Park, IL 60164

If there are any questions, please contact me.

Very truly yours,

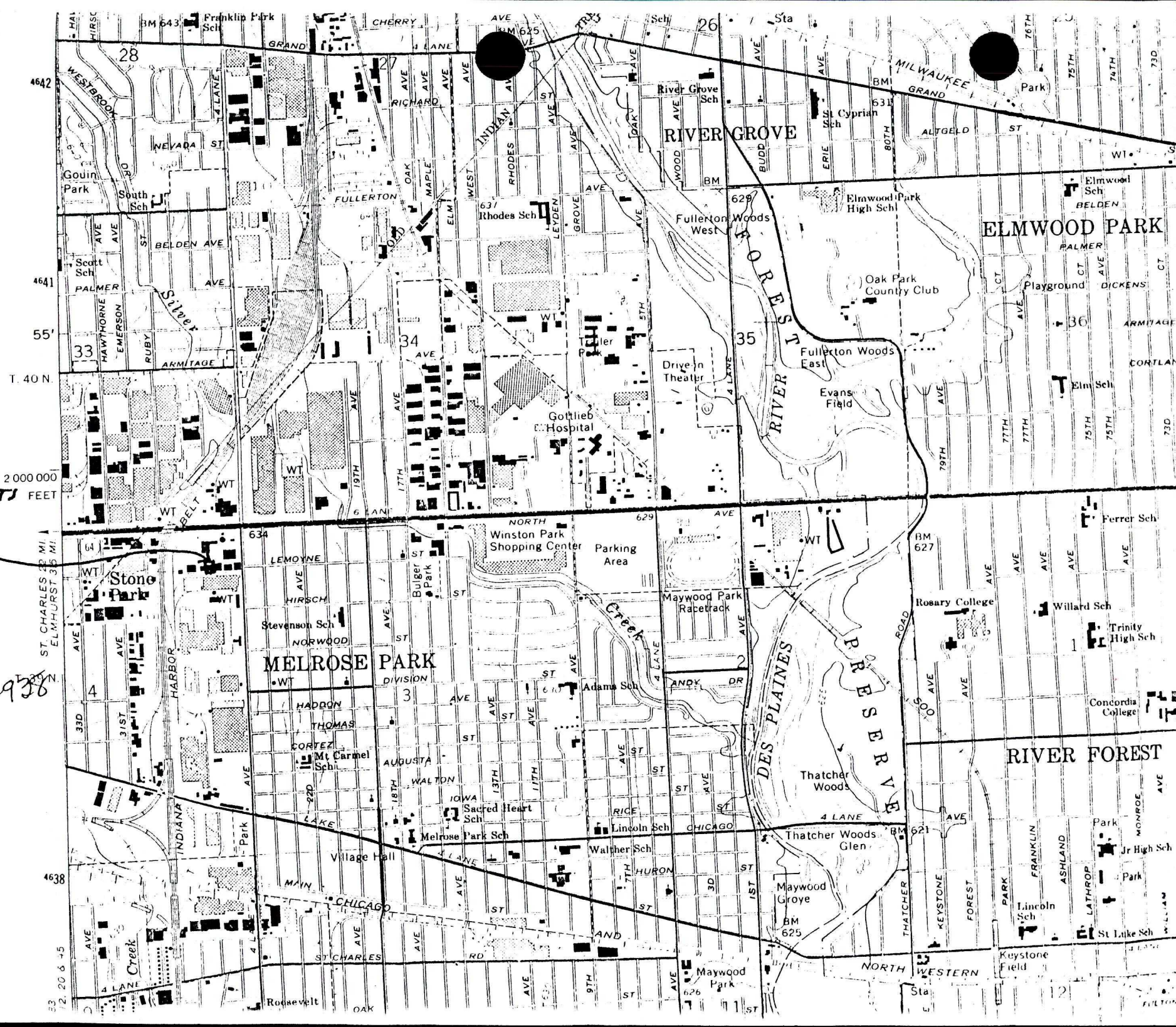
W. G. Robrecht
Assistant Manager, Corporate Engineering

WGR:ss

Enclosure

2000000 FEET
X CHEMICAL IND
SHIELD SOLVENTS
LE MOYNE
OSE PARK R
60160

LD 074424938



A. Bulk Storage

1.) Storage Tanks (3 - 20,000 gal. tanks)

a.) Solvent Transfer:

1.) From truck to storage tanks and reverse

- a.) All trucks are bottom loaded with direct coupled hoses to hard lines connecting storage tanks.
- b.) All loading lines are equipped with quick operating valves to immediately stop solvent flow.

2.) From rail car to storage tanks

- a.) Rail cars are unloaded using a portable pump. Pump is connected between rail car and tank plumbing with hoses.
- b.) Rail cars are equipped with two valves, a top operating internal valve and a quick shut-off valve on the discharge exterior.
- c.) The permanent plumbing is equipped with hand valves to prevent backflow from the storage tanks.

3.) In plant transfer

- a.) All in plant movement of solvent is done within permanent plumbed lines.
- b.) Drumming facility is equipped with a normally closed electro-magnetically controlled valve and a manual hand operated quick operating ball valve. In case of a spill at the drumming station the manual valve will shut off solvent flow or the electro-magnetic valve can be operated at the drumming station or from the opposite corner of the warehouse to stop solvent flow.

4.) Hose draining

- a.) All hoses are immediately drained after use. Hoses are drained into 55 gallon drums containing the particular solvent that had been transferred.

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STATE OF ILLINOIS

b.) Accidental spills

- 1.) All spills are immediately cleaned up. An adequate supply of clay absorbent is kept on hand at all times to contain and absorb spilled solvent.
- 2.) One municipal sewer inlet is located on our property, it is in the driveway of the loading dock. This inlet is equipped with a catch basin. In case of a spill a sump pump would be used to pump out the basin into drums to prevent solvent from entering municipal sewers.
- 3.) Storage tanks are to be diked (prior to winter 1980). Dikes will contain contents of storage tank in case of rupture.

B. Drum Storage

1.) Drum Leakage

- a.) In the event of a leaking drum within the warehouse, the drum is turned to a position to prevent further leakage.
- b.) All material leaked onto the floor would be absorbed with clay absorbent.
- c.) Any remaining material within the leaking drum would be transferred via pump, to another drum.
- d.) The warehouse floor has neither closed drainage nor drainage to a municipal sewer system.
- e.) If a drum is leaking in such a manner that turning it would not stop the leakage, drum overpacks are kept in the warehouse to set leaking drums into.

C.) General

1.) Security

- a.) Outside area is fenced with a chain link fence and barbed wire on top.
- b.) All valves on the storage tanks are located inside the building, to prevent tampering.

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2.) Housekeeping

- a.) Employees have been instructed to clean up all spills immediately.
- b.) Employees continually watch for leaking plumbing and drums in their normal day to day activities.

3.) Training

- a.) All employees are required to read the Detrex Safety and Health Manual.
- b.) All employees are given instructions regarding operation of all equipment.
- c.) Personnel protective equipment is provided and instruction for proper use and care is given to all employees on a continuing basis.

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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

DE file
MEMORANDUM

DATE: January 3, 1980

REFERENCE NUMBER 3

Tom Cavanagh ✓

FROM: Charles Gebien

SUBJECT: Predevelopmental Inspection of proposed Detrex Chemical Industries' Special Waste Storage and Transfer Facility.

On January 3, 1980, I performed a predevelopmental inspection of the currently unpermitted Detrex Chemical Industries' contaminated solvent storage and transfer facility which is located at 2537 Lemoyne Street, Melrose Park, Illinois.

Upon entrance to the facility, I was met by Mr. Barry Roberts, Branch Manager, who accompanied me throughout the facility. Mr. Roberts informed me that the facility has been in operation for five years and with the granting of a permit will continue to operate in the same manner. Mr. Roberts further mentioned that Detrex is a licensed special waste hauler and a permitted special waste generator. His account of the operation of the plant is as follows:

- 1) Contaminated solvents are brought to the facility docks via licensed haulers. All loads not accompanied by an I.E.P.A. manifest are refused.
- 2) Samples of a given load are distilled at the facility to determine percent solvent and thereby, economic value.
- 3) Loads are separated according to solvent and stored in the northeast corner of the facility.
- 4) The contaminated solvents are stored in 55 gallon steel drums until enough drums have accumulated to transfer to the reclaimer. The reclaiming company is Custom Organics, located at 1445 West 42nd Street, Chicago, Illinois.
- 5) Virgin solvents are shipped to the Detrex facility from Louisiana via railway. Railroad tracks which parallel the northern boundary of the facility, and an unloading dock located in the northern wall of the facility provide entry into the facility for virgin solvent shipments.

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While in the facility I observed approximately 200 to 300 55 gallon barrels stacked in the storage area. These barrels were painted and the alleged contents was well marked on each container. I observed no leaks onto the concrete floor of the facility and detected no solvent odors. There were approximately 100 empty 55 gallon drums stacked outside of the facility, along the railroad loading dock located along the northern wall of the facility.

The facility consists of one brick building. According to Mr. Roberts, the building's total area is 15,000 square feet, with a storage area of approximately 12,000 square feet. Administrative offices located in the northeast corner of the building are separated from the storage area and receiving docks by interior walls. The receiving docks which are located in the northwest corner of the building have concrete inclined entry ramps which enter the property from Lemoyne Street.

The facility is located in an area which has been developed as industrial, manufacturing, and commercial facilities. The Detrex facility is bounded on the north by the rear section of Al Piemonte's Ford automobile sales and service property, on the east by Crown Plastic Container of Lamintia Plastics, Inc., on the south by Lemoyne Street, south of which is a large warehouse and on the west by U.S. Elevator. Lemoyne Street provides access to Detrex and all of its immediately surrounding neighbors with the exception of Al Piemonte Ford. The closest residence to Detrex is located in a residential area approximately 1/8 of a mile east on Lemoyne Street. This residential area is separated from the industrial area by 25th Street, a four-lane road. There were no weight restriction signs posted on either 25th Street or Lemoyne Street, west of 25th Street, and semi-trailer tractor trucks were observed traveling on both.

One area in need of special review by the permit section is the fact that this facility has been developed and operating for approximately five years.

cc: Permit Section
Northern Region

Illinois Environmental Protection Agency

REFERENCE NUMBER 4

2200 Churchill Road, Springfield, Illinois 62706



Waste
Check if
Applicable

Logged
in SAS

APPLICATION FOR PERMIT TO DEVELOP A SOLID WASTE MANAGEMENT SITE

☒ Storage
☒ Transfer
☐ Processing
☐ Recovery
☐ Incineration
☐ Other

In Accordance With The Environmental Protection Act

All information submitted as part of the Application is available to the public except when specifically designated by the Applicant to be treated confidentially as regarding a trade secret or secret process in accordance with Section 7(a) of the Environmental Protection Act.

APPLICATION MUST BE SUBMITTED IN DUPLICATE

PART I - APPLICANT INFORMATION

A. Site Identification

Detrex Chemical Industries, Inc.
Gold Shield Solvents Division

1. Name of Applicant _____
(Person responsible for operation)

2. Address of Applicant 2537 Le Moyne
(Street, P.O. Box, or R. R. #)

Melrose Park Illinois 60160
City State Zip Code

Telephone: (312) 345-3806
(Area Code) (Number)

3. Name of Land Owner Beneficiaries of LaSalle. National Bank Trust #33862
Agent: Arthur Rubloff & Co.
(If same as above, so indicate)

4. Address of Land Owner 69 West Washington Street
(Street, P.O. Box, or R. R. #)

Chicago Illinois 60602
City State Zip Code

STPR 5/15/79
LPC-7 Rev. 5/79

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FEB 25 1980

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STATE OF ILLINOIS

12. Check applicable boxes which describe the use of adjacent properties surrounding site.

	Residential	Commercial	Industrial	Agricultural	Others*
a. North	()	(X)	()	()	()
b. East	()	()	(X)	()	()
c. South	()	()	(X)	()	()
d. West	()	()	(X)	()	()

*SPECIFY USE CLASSIFICATION _____

13. a. Are there any permits, operational requirements, licenses, or other requirements or restrictions by any municipality, planning commission, county, county health department, state agency, or other governing body?
() Yes () No If yes, List below. _____

_____ Municipal Business License _____

- b. Have these requirements, licenses or restrictions been approved by the agency or governing body having jurisdiction?
(X) Yes () No

- c. If the answer to (b) is yes, include photocopies of supporting documents. License No. 93
License affixed to entrance door. Impossible to remove and photocopy.

B. LOCATION

14. Attach a copy of the United States Geologic Survey (U.S.G.S.) topographic quadrangle map of the area which contains the site. (7.5 minute quadrangle, if published).

Quadrangle Map Provided: River Forest, Illinois 1972
Name Date

15. a. Outline on the U.S.G.S. topographic quadrangle map the location and extent of the site.
b. Provide a legal description of the site. (Typewritten on attached sheet.)

_____ Acres in _____ Quarter, _____ Quarter, _____ Quarter,
of Section _____, Township _____,
Range _____, _____ P.M.

Owners Div. N.E. quarter of Sec. 4-39-12
Recorded July 31, 1924 Docket #8534210
Block 204

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TYPE AND EXTENT OF SUBSURFACE MATERIALS

19. Provide a complete log (description) of each boring made during the exploratory program, and include all other pertinent data so obtained.
20. Include the following information regarding the bedrock, if encountered during the boring program:
 - a. Depth(s) to bedrock.
 - b. Lithology (physical character) and hydrologic characteristics of the bedrock formation.
 - c. Name and age of the formations encountered during the boring operation and (or) which crop out on or adjacent to the site.

C. MATERIALS CLASSIFICATION AND ANALYSIS

21. Provide the following information for samples taken during the boring operation:
 - a. textural classification (U.S.D.A. system)
 - b. particle size distribution curves for representative samples
 - c. coefficient of permeability - based on field and (or) laboratory determinations
 - d. ion-exchange capacity and ability to absorb and "fix" heavy metal ions

D. HYDROLOGY

22. Provide the following information regarding the hydrologic flow system in the area of the site:
 - a. Depth to water in boreholes at time of boring completion and periodic measurements until the water level has stabilized.
 - b. Rate(s) and direction(s) of ground-water movement.
 - c. A narrative description (with diagrams) of the design and installation procedures for all piezometers installed at the site. This shall include both water-level measuring piezometers and those installed for permanent use as water-quality monitoring points.
 - d. An analysis of the background ground-water quality, as per those constituents listed in the Instructions. Attach a copy of the laboratory report.
 - e. An outline of the procedures, devices, and personnel to be employed for the collection of periodic ground-water samples from the monitoring point(s) installed at the site.

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B. SCHEDULE OF CONSTRUCTION

27. Attach a typewritten narrative supplemented by indications on the plans of the sequence of areas to be developed. Estimate the date of beginning and ending of each phase of construction and operation.

C. CONSTRUCTION REQUIREMENTS

28. Attach a typewritten narrative supplemented by indications on the plans of provisions to be made for:
- a. Prevention of surface-water pollution
 - b. Control of gas migration.
 - c. Elimination of flood hazard, if any.
 - d. Employee facilities.
 - f. Measuring quantity of waste delivered to the site.

PART V - OPERATING PLAN

A. SOURCE AND VOLUME

SEE ATTACHMENTS

29. Indicate the estimated quantity of each of the following sources and types of waste the facility will handle during each day of operations; each week of operation; each year of operation. Specify any additional information regarding refuse source and quantity.

<u>SOURCE</u>	<u>TYPE</u>	<u>DAILY QUAN.</u>	<u>WEEKLY QUAN.</u>	<u>ANNUAL QUAN.</u>
a. Residential				
b. Commercial				
c. Industrial	Degreasing Solvent Waste	150 gals.	750 gals.	39,000 gals.
d. Agricultural				
e. Other (Describe)				

B. OPERATING REQUIREMENTS

30. Attach a typewritten description of provisions for:
- a. Personnel for supervision and operation
 - b. Traffic control

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- d) The clerk of each municipality, any portion of which is within three miles of the site.
- e) Adjacent landowners to the proposed site.
- f) Local zoning and planning agencies.

33. Provide the following documentary evidence sufficient to show:

- a) That the facility is located so as to minimize scenic blight, and to avoid damage to archaeological and/or historic sites and areas of significant natural beauty;
- b) That the facility is located so as to avoid any hazards to public health and safety and to minimize any offenses to the senses of persons residing, working, traveling, and/or in any way spending periods of time in the immediate vicinity. Immediate vicinity is here defined to mean a one-mile radius zone adjacent to the boundary of the site;
- c) Taking into consideration the character of the area involved, including the character of surrounding land uses and the trend of development, as well as local comprehensive plans and zoning ordinances, that the facility is located so as to minimize incompatibility with the character of the surrounding area.
- d) That the facility is located so as to avoid causing substantial depreciation of nearby property (taking into consideration, where possible, any mitigation caused by the short proposed life of the site and end use);
- e) That any detriments caused by removal of the site from its former use are out-weighed by the need in the area for a landfill at this location;
- f) That the facility is located so as to avoid a continued adverse effect on existing air and water quality; and
- g) Taking into consideration geological and hydrological factors, the location of the site in relating to sources of solid waste and accessibility to transportation modes, and the technical feasibility and economic reasonableness of disposing of solid waste at the proposed location, that the facility is suited for its intended use.
- h) That access roads and bridges are not limited to preclude necessary vehicular traffic (i.e. proposed size and weight limits).

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STATE OF ILLINOIS

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FEB 25 1980

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

Part IV Construction Plans and Specifications

A. Site Development Plan

- 23) See Attached Plan
- 24) Question Number 24 Does Not Apply to this Operation as:
 - a) No changes in topography are dictated by design or operational factors.
 - b) No surface features have been or will be installed as part of this facility.
 - c) No earth barriers, berms, dikes and other barriers, are to be constructed on this site.
- 25) See Original Application
- 26) See Original Application

B) Schedule of Construction

- 27) No construction to take place

C) Construction Requirements

- 28) a) All special waste will be stored in 55 gallon drums until enough is generated to be sent for reclamation. To prevent surface-water pollution 65 gallon (plus 8% out-age) recovery drums are kept on hand, in case a drum of special waste develops a leak. The leaking drum can be set inside the recovery drum to prevent leakage.
- b) No gas migration - not applicable.
- c) No flood hazard - not applicable.
- d) Employees work in a heated and vented warehouse. The warehouse is equipped with standard washroom facilities. Employees are provided with gloves, eye goggles, and splash shields. Eye wash fountains are on site.
- e) The quantity of special waste delivered to the site is measured by counting the number of drums received from the customer and then weighing each drum.

PART V - Operating Plan

A) Source and Volume

	<u>Type</u>	<u>Daily</u> <u>Quan.</u>	<u>Weekly</u> <u>Quan.</u>	<u>Annual</u> <u>Quan.</u>
a) Residential	None	Ø	Ø	Ø
b) Commercial	None	Ø	Ø	Ø
c) Industrial	Degreasing Solvent Waste	150 gals.	750 gals.	39,000 gals
d) Agriculture	None	Ø	Ø	Ø
e) Other	None	Ø	Ø	Ø

Continued

B) Operating Requirements

30. Description of Provisions for:

- a) A branch manager and office manager are supervision personnel. A warehouseman handles operation of warehouse. A truck driver is utilized to drive the truck that brings special waste to the warehouse and from there to the reclaimer.
- b) Traffic control is not a problem as only our truck is utilized for bringing special waste to our warehouse.
- c) A recessed dock on the south side of the building is designated as the unloading site. (See attached Plot Plan)
- d) Dust is no problem and not applicable.
- e) Odor is no problem and not applicable.
- f) There is no surface water to manage.
- g) Erosion is no problem and not applicable.
- h) There is no monitoring program for gas as no gas is generated.
- i) All special waste brought to our warehouse is returned to us from our customers for reclamation purposes. We only warehouse it until enough is generated to be sent to the reclaimer.

31. See Original Application

Part VI - Notice/Land Use

32.

- a) Cook County State's Attorney: Bernard Carey
- b) Chairman Cook County Board: George Dunne
- c) Members of The General Assembly from the 5th Legislative District:
Representatives: Jack Williams, Ted Levernz and Ed Bluthardt.
Senator: Richard A. Walsh

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STATE OF ILLINOIS

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E.P.A. — D.L.P.C.
STATE OF ILLINOIS

Continued

32. d)

Village of

Melrose Park

River Forest

Maywood

Forest Park

Broadview

Westchester

Hillside

Bellwood

Berkeley

Stone Park

Northlake

Franklin Park

River Grove

Chicago

Schiller Park

Elmhurst

Clerk

John Otmaskin

Emerson K. Houser

Anton G. Lites

William McKenzie

Emil J. Parkes

Barbara Bailey

Mrs. Dorothy Gehrke

Don Lemm

Violet L. Murphy

Harry Jack

Gloria Raitano

Jack Gregg

James R. Domschke

Walter S. Kozubowski

Mr. Walter Bykowski

Dorothy Lentz

e) North - Al Piemote Ford, 2500 North Ave., Melrose Park, Ill. 60160

West - Beneficiaries of LaSalle National Bank, Trust #33862
Agent: Arthur Rubloff & Co. - 69 W. Washington St., Chicago, IL 60602

East - Same as West

South - Handy Button Machine Co.

f) Village of Melrose Park

Building Department

33.

a) No changes in present facility to be made.

b) All material will be handled in closed containers to avoid any hazards to public health and safety and to minimize any offenses to the senses of persons residing, working, traveling, and/or in any spending periods of time in the immediate vicinity.

c) All other buildings in area were constructed in the same time period making the architecture of the buildings compatible.

d) Would apply to land fill, but not to our warehouse.

e) Site had no former use, except as warehouse, as we are now using it.

f & g) The temporary storage site is operated so that all special waste is stored inside the building, in closed containers. There will be

Continued

no adverse effect on air or water quality. The sources of the special waste are our virgin solvent customers only. The material is picked up from them and delivered to our temporary storage site with our own truck (licensed for hauling special waste). The truck uses only normal developed transportation routes. Geological and hydrological considerations are technically not factors in this operation.

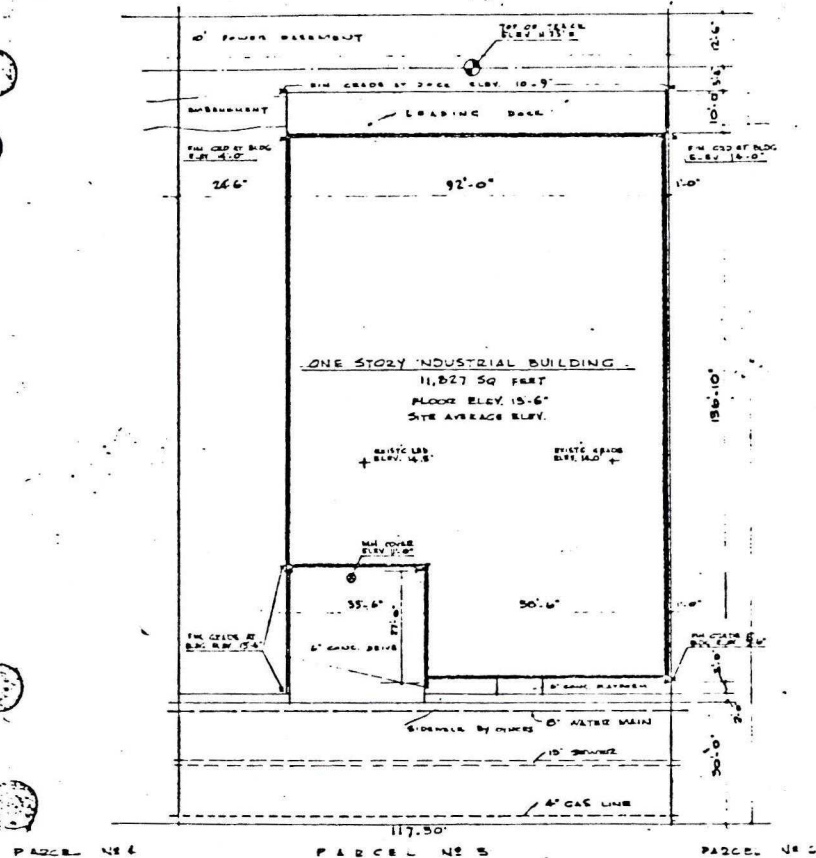
- h) There are no special size or weight limits on the routes that our truck uses to preclude necessary vehicular traffic. The truck complies with all current Illinois Department of Transportation regulations concerning size and weight.

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FEB 25 1980

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

#23



NORTH
↑

PLOT PLAN 1/4" = 1'-0"

INDEX OF DRAWINGS

SHEET NO 1 PLOT PLAN
2 ELEVATIONS
3 FOUNDATION PLAN & DETAILS
4 FLOOR PLAN & SCHEDULES
5 WALL SECTIONS & DETAILS
6 DETAILS
7 TRUSS & STEEL DETAILS
E1 ELECTRICAL PLANS & FIXTURES
H-1 HEATING & VENTILATING PLAN
P-1 PLUMBING PLANS & FIXTURE SCHEDULE

OFFICE & WAREHOUSE /^o JOHN J. MORONEY COMPANY

LOCATED AT THE CLASS INDUSTRIAL DISTRICT

NORTH AVE & 25TH AVE

MELROSE PARK LIDS

ALPH STOEZEL .. ARCHITECT .. ENGINEER .. 11 W MONROE ST CHICAGO, IL

27
 201 3-30 56

REFERENCE NUMBER 5**RECEIVED**

March 25, 1981

APR 03 1981

J: Gene Theois

M: Jay Evans *JFE***E.P.A. — D.L.P.C.
STATE OF ILLINOIS****SUBJECT:** Cook County - 03118603 - Melrose Park/Gold Shield Solvents - Pre-Operating Insp.

A Pre-Operational Inspection of Gold Shield Solvents was conducted on March 24, 1981. Present at the time of the inspection was Mr. B. Roberts, Branch Manager.

This facility consists of a single unit brick building having approximately 12,000 square feet of storage capacity for both drummed virgin and waste material. At present, the company has the N.E. corner designated as storage area for the drummed waste material. As the waste is received at the loading dock in the S.W. corner of the building it is fingerprinted and then moved to the storage area. The facility does have equipment on hand to help control spills; i.e. overpacks, absorbents, etc., however, according to R.C.R.A. 264.175 (Jan. 12, 1981),

A) "Container storage areas must have a containment system that is capable of collecting and holding spills, leaks and precipitation"

1) Having an impervious underlying base, etc.

2) Having sufficient capacity to contain 10% of the volume

At present the facility does not have sufficient capacity to contain the 10% of volume. Mr. Roberts has had the company's Engineers in, in order to correct the situation. Plans are to put up concrete diking in the section used for storage of the drummed waste.

The zoning at the site and the adjacent properties are industrial so the presence of this facility will not cause any substantial depreciation of nearby property. There are no residential area in the immediate area.

At the time of the inspection there were approximately 500 drums on site. According to the D.E. Permit Special Condition #10, waste shall be removed upon the accumulation of 240 drums. However, Mr. Roberts has taken exception with 2 of the special conditions outlined in the developmental permit. He is requesting an extension on both the amounts of solvents received daily and the amount he is allowed to accumulate on site.

I therefore request Permit Section to either grant or deny Gold Shield Solvents operating permit.

JE/sss

cc: NorthernRegion/
Division File



GOLD SHIELD SOLVENTS

Division of Detrex Chemical Industries, Inc.

2537 LE MOYNE, MELROSE PARK, ILLINOIS 60160

March 9, 1981

Logged In
SAS 3/13

AREA CODE 312
TELEPHONE 345-3806

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MAR 11 1981

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

Illinois Environmental Protection Agency
Div. of Land/Noise Pollution Control
2200 Churchill Road
Springfield, Illinois 62706

Attention: Mr. Thomas E. Cavanagh, Manager
Residual Management Section

Gentlemen:

Please accept this letter as our application for a permit to operate. This is in compliance with your letter to us dated December 5, 1980.

Since the permit is subject to certain special conditions, I would like to take exception to two of them. The first is the limitation of 1000 gallons (approximately 20 drums) of solvent to be received per week. This condition seriously hampers our operation. If a limitation, must be placed, on the amount of special waste we receive then I feel 30 drums (1500 gallons) per day would be a more realistic number. The second item is the condition that waste shall be removed upon accumulation of 240 drums. This condition is not feasible. Our delivery of the material to the reclaimer is based on the quantity of each special waste we have. We are also at the mercy of his schedule as to what product he can reclaim and what quantity. It is possible to have 240 drums in the warehouse and divided between the four products not have enough of one to be reclaimed. If a maximum number of drums must be placed on us, I believe 500 drums would be a figure that we could operate within.

The purpose of my taking exception to these conditions is that we are going to operate this facility in total compliance with all regulations and conditions. The two that we have noted, as they exist, would not allow us to do that while servicing our customers needs.

Thank you very much for your cooperation and if you have any questions regarding these changes please feel free to contact me.

Very truly yours,

Notification Sent
Per I. E. P. A. Act §39 (c)

MAR 12 1981

DL/NPC

GOLD SHIELD SOLVENTS DIVISION
Detrex Chemical Industries, Inc.

Barry A. Roberts
Barry A. Roberts
Branch Manager

BAR/dmc

IEPA Number: 0311840003

[illegible]

Operator: GOLD SHIELD SOLVENTS

Telephone #:

Street: 2537 LEMOYNE

City: MELROSE PARK

State: IL

Zip Code: 60160

Owner: DETREX CHEMICAL INDUSTRIES

Telephone #:

Street: PO BOX 501

City: DETROIT

State: MI

Zip Code: 48232

Person Interviewed

Title

Telephone #

JEFF PHILLIPS

MANAGER

345-3806

Inspection Participants

Agency/Title

Telephone #

RICH FINLEY

IEPA/ EPS 2

345-9780

Prepared By

Agency/Title

Telephone #

RICH FINLEY

IEPA/ EPS 2

345-9780

Summary of Apparent Violations

Area	Class	Section
004	2	125173

Area	Class	Section

Area	Class	Section

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JUL 23 1987

IEPA/DLPC

WASTE DISPOSITION FORM

Facility Name: GOLD SHIELD SOLVENTS USEPA #: 1LD074424938 IEPA #: 031860003

[illegible]

* All "no" responses must be explained in the narrative

DETREX IS A MANUFACTURER OF DEGREASING MACHINES. THIS FACILITY SELLS THE DEGREASING MACHINES AND SOLVENTS.

SPENT SOLVENTS (FOO1)(FOO2) ARE PICKED UP AND STORED IN 55 GALLON DRUMS AT THIS FACILITY. THIS SITE ALSO ACTS AS A STORAGE FACILITY FOR FOO1 AND FOO2 WASTES FROM OTHER DETREX BRANCH OFFICES. THESE WASTES ARE THEN SENT TO ROSS INCINERATION GRAFTON, OH FOR DISPOSAL.

THERE IS NO MANUFACTURING OR TREATMENT ACTIVITY AT THIS SITE. WASTE IS GENERATED WHEN SPENT SOLVENTS THAT ARE PICKED UP ARE SENT TO THE DETREX FACILITY IN DETROIT, MI FOR RECLAMATION OR WHEN WASTES FROM OTHER BRANCHES ARE SENT TO ROSS.

DURING THE INSPECTION THE FOLLOWING APPARENT VIOLATIONS WERE OBSERVED:

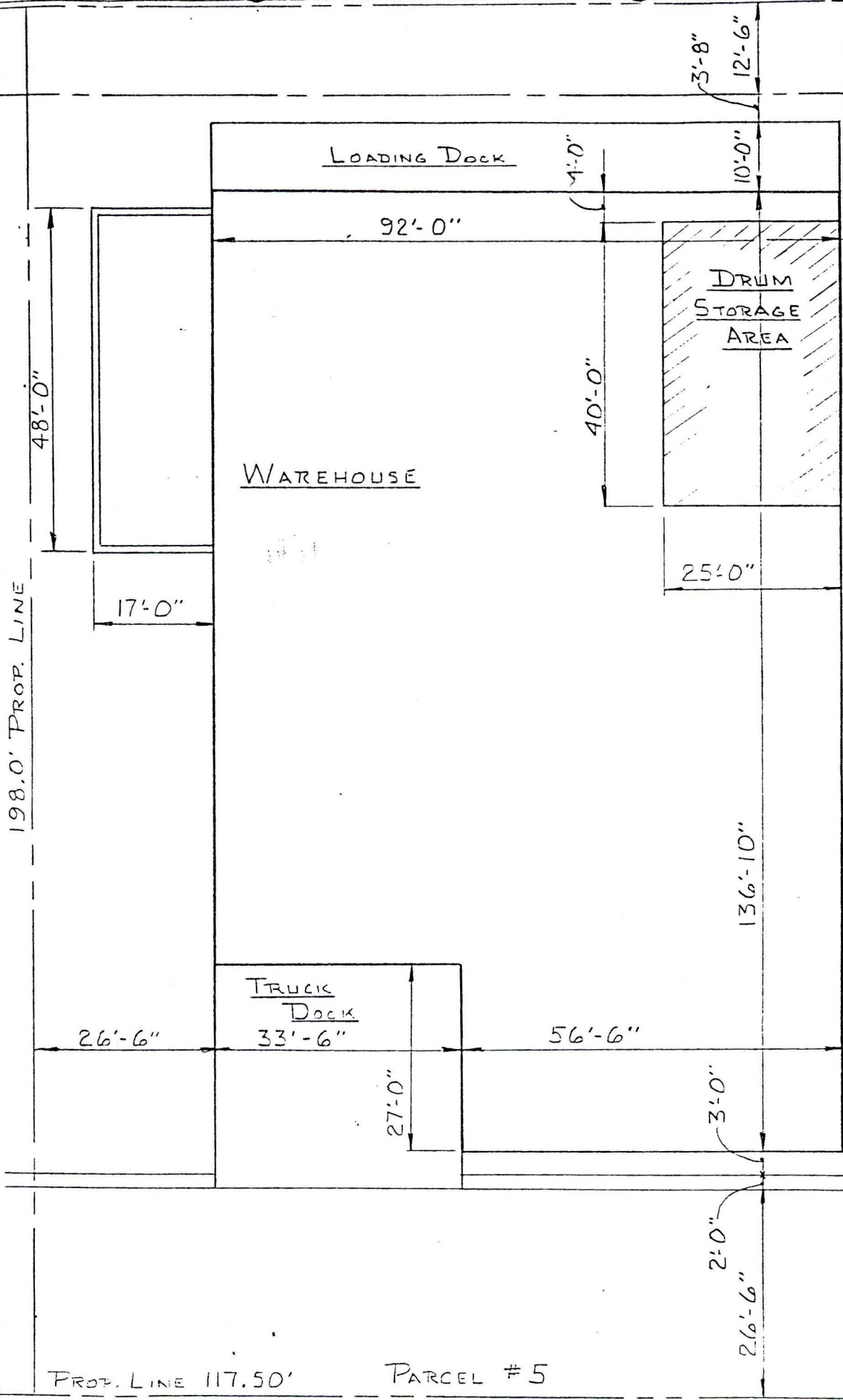
725.173 - WASTES ARE DESCRIBED BY AN INTERNAL CODE INSTEAD OF ITS COMMON NAME; NO USEPA ID NUMBERS OR PHYSICAL DESCRIPTION AS REQUIRED BY APPENDIX I; NO WRITTEN RECORDS OF STORAGE AND DISPOSAL; NO CROSS REFERENCE TO SPECIFIC MANIFESTS.

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JUL 23 1987

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ITY DRAWING (see page 4)



E_{R/R}



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JUL 23 1987
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PLOT PLAN
GOLD SHIELD
2537 LEMOYNE A
MELROSE PARK
IL., 60160
SCALE 1" = 20'-0"

PROP. LINE 117.50' PARCEL #5

NARRATIVE

Gold Shield Solvents sells degreasing machines and the solvents used in the machines. They also pick up their customers' spent solvents and store them at this facility. The virgin solvent is sent to their customers in bulk or containers, though all wastes are picked up and stored in containers only. The spent solvents handled at this facility are: trichloroethylene; 1,1,1 trichloroethane; perchloroethylene; freon; and methylene chloride. They no longer sell methylene chloride, so they will receive very little, if any, spent methylene chloride in the future. Also on site were 222 drums of trichloroethylene still bottoms from Gold Shield Solvents facilities in Detroit, Michigan (58 drums) and Indianapolis, Indiana (164 drums). These drums are going for incineration in Ohio. All of Gold Shield Solvents' wastes are received on a generic permit for storage. No waste is generated on site. All waste stored is from off-site generators. Typically the waste is sent for reclamation at a Detrex facility. All transportation of hazardous waste is done by Gold Shield Solvents.

During the inspection the following apparent violations were observed:

725.114 - A sign with the legend "Danger - Unauthorized Personnel Keep Out" is not posted at the entrance to the storage area.

725.116 - Job titles do not identify the employees holding those positions.
- No description of training

5.152 - No evacuation plan -

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6-11-10

15FADLPC

RCRA INSPECTION REPORT - INTERIM STATUS STANDARDS
TREATMENT, STORAGE, AND DISPOSAL FACILITIES
Form A General Facility Standards

I. General Information

USEPA Number: IL D 074424738 IEPA Number: 0311860003

LDF Facility: YES (NO) Notified As: Trans., TSD Regulated As: Gen., Trans., TSD

(A) Facility Name: Gold Shield Solvents

(B) Street: 2537 LeMoyne

(C) City: Melrose Park (D) State: IL (E) Zip Code: 60160

(F) Phone: 312/345-3806 (G) County: Cook

(H) Operator: Gold Shield Solvents

(I) Street: - Same as above -

(J) City: _____ (K) State: _____ (L) Zip Code: _____

(M) Phone: _____ (N) County: _____

(O) Owner: Richard La Reno Co.

(P) Street: 1325 Wiley Road - Suite 160

(Q) City: Schaumburg (R) State: IL (S) Zip Code: 60195

(T) Phone: _____ (U) County: Cook

Region: N (V) Date of Inspection: 3 / 4 / 86 (W) Time: (From) 9:15 (To) 10:30

Type of Inspection: (ISS) RECORD REVIEW SAMPLING CITIZEN COMPLAINT
CLOSED WITHDRAWAL OTHER PART B
F/U _____ / _____ / _____ (Date of Initial Inspection)

(X) Weather Conditions: 40°, Cloudy

Area	Section	Class I	Class II
other	725.114	✓	
other	725.116		✓
other	725.152(f)		✓

(AA) Preparer Information

Name John Maher

Agency/Title IEPA / EPS I

Telephone 312/345-9780

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TOTAL Class I's & II's 1 2

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
INSPECTION REPORT

IEPA Number:: 0311860003

Facility Name: Detrex Chemical Industries Inc. (Gold Shield Solvents)

Street: 2537 LeMoigne Ave

Telephone: 312/345-3806

State: IL

Zip Code: 60160

Regulated as: G, Tr, S

LDF? No HPV? No 90 Day Follow-up required? Yes: X No:

Region: 2 Date of Inspection: 1-5-89 From: 9:00 AM to: 11:00 AM

Weather (LDF Only):

Type of Inspection

ISS: ☒ Sampling: _____ Citizen Complaint: _____ Closed: _____ Other: _____

Record Review: _____ Follow-up to Inspection of: _____ Withdrawal: _____

Non Reguiated Status

SQG: _____ Claimed Nonhandler: _____ Other (Specify in Narrative): _____

Notification date, 7-11-80 , from (initial) or (subsequent) Notif.

Part A

Initial Part A date: 11-18-80 Ammended: 11-8-88

Part A Withdrawal requested: _____ Approved by (US) (IL) EPA: _____

Part B Permit Application

Part B Permit called by (US) (IL) EPA on: 5-6-88 Permit Due: _____

Part B Permit Submitted: 11-8-88 Draft Permit Issued: _____

Enforcement

Has the firm been referred to: USEPA? IAG? County SA?

Date(s) of initial referral: _____

USEPA CACO: _____ CAFO: _____ ALJ Decision: _____

Referral to DOJ by USEPA: Federal Court Order Issued:

PCB Order Issued: _____ State Court Order Issued: _____

TSD Facility Activity Summary

[illegible]

Telephone #: 312/345-3806

Street: 2537 Le Moyne

Address: Melrose Park State: IL Zip Code: 60160

Owner: Richard La Reno Co. Telephone #:

Street: 1325 Wiley Road - Suite 160

City: Schaumburg State: IL Zip Code: 60195

Person Interviewed

T1-1a

Telephone #

Michael Tepatti Midwest Dist. Manager 313/358-5800

Donna Cook 312/345-3806

Inspection Participants

Agency/Title

Telephone #

John Maher IEPA/EP5 312/345-9780

Prepared by

Agency/TITLE

Telephone :

John Maher IEPA/EP5 312/345-9780

Summary of Apparent Violations

[illegible][illegible][illegible]

Gold Shield Solvents
'0311860003
1/5/89

NARRATIVE

Gold Shield Solvents in Melrose Park is a distributor of halogenated solvents (specifically, 1,1,1 trichloroethane, trichloroethylene, perchloroethylene and freon). As a service to their customers, they pick up the spent solvent (in containers only), store it temporarily and transport it off-site to be reclaimed at their Gold Shield Solvent site in Detroit, MI. They do not generate hazardous waste other than that which was originally received from off-site.

HAZARDOUS WASTES GENERATED

Halogenated Solvents

- F001, F002
- Only wastes handled are 1,1,1 trichloroethane, trichloroethylene, perchloroethylene and freon.
- Rate generated varies. Dependent on rate of used by customers.
The waste generated in greatest quantity is trichloroethylene (approx. 100 drums/month).
- All waste is received and sent off-site are in containers only.
They are sent to Gold Shield Solvents in Detroit, MI to be reclaimed.
- The following quantities were being stored on site:

Trichloroethylene	256 drums
1,1,1 Trichloroethane	40 drums
Perchloroethylene	10 drums
Freon	17 drums

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IEPA-DLPC

Gold Shield Solvents

0311860003

1/5/89

At the time of the inspection, the following apparent violation was observed:

725.135 - Inadequate aisle space between drums of hazardous waste.

NOTE: The site's list of emergency coordinators was not up-to-date at the time of the inspection; however, this was corrected during the inspection.

Facility Name:

Gold shield Solvents

USEPA #

$$\therefore \underline{ZLD \ 0.74424938}$$

• IEPA

#: 0311860003

[illegible]

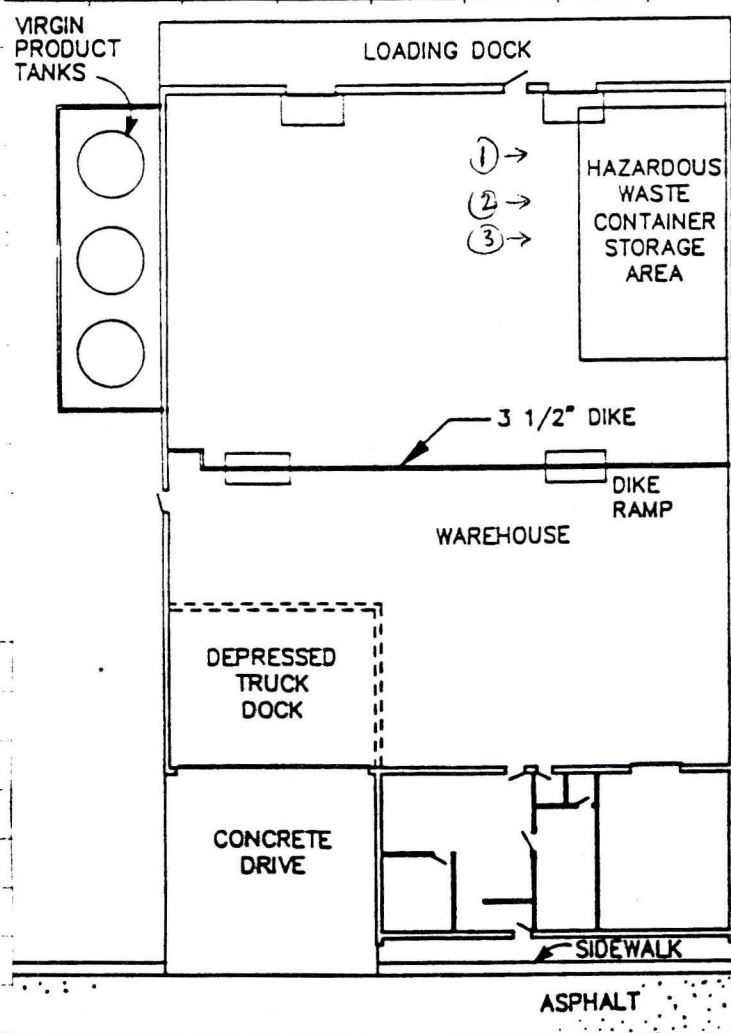
* All "No" responses must be explained in the narrative.

Facility Name: Gold Shield Solvents

USEPA Number: ILD074424938

IEPA Number: 03/1860003

Use of Site: Accumulation Area(s) Treatment Area(s) Storage Area(s)
Disposal Area(s) X Entire Site



Le Moyne Avenue

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FEB 15 1989

IEPA-DLPC

(N) → = Photograph

Date: 1-5-89

Time: ~ 10:30 AM

Photograph by: John Maher

City: Melrose Park

IEPA #: 0311860003

Site Name:

Gold Shield Solvents

Comments: Drum storage
area.

Photo #: 1 Roll #: 89-133



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FEB 15 1989

IEPA-DLPC

Date: 1-5-89

Time: ~ 10:30

Photograph by: John Maher

City: Melrose Park

IEPA #: 0311860003

Site Name:

Gold Shield Solvents

Comments: Drum storage
area.



Photo #: 2 Roll #: 89-160

Date: 1-5-89

Time: ~ 10:30 AM

Photograph by:

John Maher

City: Melrose Park

IEPA #: 0311860003

Site Name:

Gold Shield Solvents

Comments: Drum storage

area.

Photo #: 3 Roll #: 89-160



Date: 1-5-89

Time: ~ 10:30

Photograph by:

John Maher

City: Melrose Park

IEPA #: 0311860003

Site Name:

Gold Shield Solvents

Comments: _____

Photo #: 4 Roll #: _____

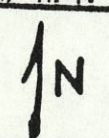


TAP	RAW SOURCE	STAT	BACK UP	LEGAL DESCRIPTION	QUAD	SSCPTBLTY BURL SPRD	SETBACK	AQUIFER	DPYH
0431200 - WOOD DALE									
				POPULATION:	12,533	SRVC CONN:	3,581	FACL STATUS:	A
01	20521-W1 FOREST VIEW AND CARTER AVES	A	N	40N 11E 16 3E 2350S 1500W	032B	AX AX	400	5661	206
02	20522-W2 N SIDE IRVING PK RD OPP FOREST VIEW	A	N	40N 11E 09 3A 250N 1750W	032B	AX	400	5661	245
03	20523-W3 SW CORNER STATION DR AND POTTER ST	A	N	40N 11E 16 7F 1500S 1000E	032B	E D2	200	5661	197
04	20524-W5 KLEFSTAD INOL PK S OF RICHERT ROAD	A	N	40N 11E 10 4H 500S 2500W	032B	E D2	200	6387	1400
06	20526-W7 S SIDE OF PARK LN E OF STATION DR	A	N	40N 11E 16 6G 875S 1480E	032B	E D2	200	6080	1356
0434140 - BENSENVILLE									
				POPULATION:	16,300	SRVC CONN:	5,278	FACL STATUS:	A
01	20695-W2 E SIDE OF YORK RD S OF IRVING PK RD	I	N	40N 11E 13 8E 2555S 155E	032B	E D2	200	6393	1442
02	20696-W3 NE CORNER OF MAIN ST AND CHURCH RD	A	N	40N 11E 14 4E 2200S 2500W	032B	E D2	200	6393	1445
03	20697-W4 340 MEYER RD IN AN INDUSTRIAL PK	A	N	40N 11E 11 2B 670N 1175W	032B	E D2	200	6393	1496
04	20698-W6 S OF BELMONT W OF YORK NEAR CNTRY CLB	A	N	40N 11E 26 3H 30S 1350W	032B	E D2	200	8797	1900
05	20699-W7 BEHIND FIRE STATION S OF FOSTER AVE	A	N	40N 11E 11 4D 2340N 2340W	032B	E D2	200	8397	1900
0435350 - CTZNS COUNTRY CLUB-HIGHLANDS									
				POPULATION:	1,332	SRVC CONN:	445	FACL STATUS:	A
11	20475-W2 SW CORNER GRAND AVE AND CROWN RD	A		40N 11E 25 7F 1550S 1300E	032B	E	200	5656	228
10 01	20474-W1 IN PS BY GROSST TK S GRAND AV E YORK R	A	N	40N 11E 25 5F 1720S 2590E	032B	E	200	5656	224
0437245 - VIETZEN MHP									
				POPULATION:	106	SRVC CONN:	79	FACL STATUS:	A
01	20493-W1 MIDDLE OF MHP	A	Y	40N 11E 16 1D 2200N 200W	032B	E D2	200	5656	135
01	20494-W2 E SIDE OF MHP	A	N	40N 11E 16 1D 2200N 500W	032B	E D2	200	5656	135
0311410 - INDIAN HEAD PARK									
				POPULATION:	3,400	SRVC CONN:	815	FACL STATUS:	A
02	20570-WELL NO 2	A	Y	38N 12E 20 8F 1800S 50E	032C	C1	200	5656	402
02	20571-WELL NO 3	A	Y	38N 12E 20 7F 1328S 923E	032C	C1	200	5656	400
0311530 - LA GRANGE									
				POPULATION:	15,700	SRVC CONN:	4,782	FACL STATUS:	A
02	00510-WELL 05	A	Y		032C	C1	200		358
03	00511-WELL 06	I	Y		032C	C1	200		352
0313180 - WESTERN SPRINGS									
				POPULATION:	12,900	SRVC CONN:	4,293	FACL STATUS:	A
01	20628-W1 NE CORNER OF WOLF RD AND BURLINGTON	I	Y	38N 12E 05 8C 1900N 100E	032C	A1	400	5656	385
01	20629-W2 ABANDONED	B	N	38N 12E 05 8D 2150N 400E	032C	A1	400	5656	313
01	20630-W3 OFF OF HILLGROVE & JOHNSON BEHIND VH	A	N	38N 12E 05 8D 2200N 200E	032C	C1	200	6080	1600
01	20631-W4 WEST SIDE OF TOWN NEAR I294 TOLLWAY	A	N	38N 12E 06 6B 1280N 1930E	032C	C1	200	6080	1913
0430250 - CLARENDON HILLS									
				POPULATION:	7,199	SRVC CONN:	2,545	FACL STATUS:	A
01	20686-WELL 4 PMPHS AT BONNIE & SHORT STREETS	A	N	38N 11E 11 5D 2100N 2900W	032C	E D2	200	5656	370
01	20687-WELL 6 NW COR OF HOLMES & 55TH STREETS	A	N	38N 11E 11 7A 90N 1250E	032C	E D2	200	5661	352
01	20688-WELL 7 BY PMPHS AT ANN & EASTERN STREETS	A	N	38N 11E 11 5C 1425N 2205E	032C	E D2	200	6393	1587
0430270 - DARIEN									
				POPULATION:	15,000	SRVC CONN:	3,300	FACL STATUS:	A
01	20689-W1 N OF PLAINFIELD RD E OF CASS AVE	A	N	38N 11E 27 8D 3200S 400E	032C	E D2	200	5656	310
03	20691-W3 SW INTER CASS AND 75TH IN PLAZA LOT	A	N	38N 11E 28 1D 2845S 195W	032C	E D2	200	5656	322
0430350 - CLMHURST									
				POPULATION:	43,567	SRVC CONN:	13,984	FACL STATUS:	A
03	20779-W10 E END OF VANBUREN 25FT N OF WELL 7	A	N	39N 11E 13 3G 4100N 1825E	032C	AX	400	6080	303
07	20776-W7 E END OF VANBUREN IN BUTTERFIELD PARK	A	N	39N 11E 13 3G 4075N 1825W	032C	AX	400	5656	290
09	00533-W8 E SIDE OF SPRING RD OPP 16TH ST	I	N	39N 11E 23 4E 2380S 2600W	032C		200	5656	210

TAP	RAW SOURCE	STAT	BACK	LEGAL DESCRIPTION	QUAD	SSCPTBLTY	SETBACK	AQUIFER	DPH
			UP			BURL SPDR			
0315195 - NORTH GLENVIEW MHP									
		POPULATION:		150	SRVC CONN:		75	FACL STATUS:	
01	20626-WELL 1 NW SIDE OF PARK	A	N	42N 12E 26 4G 4190N 2570W 029D	E	D2	200	5656	316
01	20627-WELL 3 SW SIDE OF PARK	A	N	42N 12E 26 4G 3875N 2505W 029D	E	D2	200	5656	243
0315350 - NORTH SUBURBAN PUBLIC UTL CPY									
		POPULATION:		30,000	SRVC CONN:		4,450	FACL STATUS:	
01	20597-WELL 1 AT TOWER ON VICTOR AVE	A	N	41N 12E 12 8B 1050N 650E 029D	E	D2	200	6080	1414
02	20598-WELL 2 HARRISON AVE AT ALEXIS CT	A	N	41N 12E 12 7D 1350S 680E 029D	E	D2	200	6080	1402
03	20599-WELL 3 IN PARKING LOT AT 2575 VICTOR AVE	A	N	41N 12E 12 7B 700N 700E 029D	E	D2	200	6080	1423
0315589 - DIVINE WORD SEMINARY									
		POPULATION:		105	SRVC CONN:		12	FACL STATUS:	
01	20650-W1 IN 2ND BSMT OF ST JOSEPH'S HALL	A	N	42N 12E 14 7E 2000S 1000E 029D	E	D2	200	5687	1300
02	20651-W2 IN FIRST BSMT OF ST JOSEPH'S HALL	I	Y	42N 12E 14 7E 2050S 950E 029D	E	D2	200	5663	500
0315920 - MISSION BROOK SNOST									
		POPULATION:		3,200	SRVC CONN:		452	FACL STATUS:	
01	20644-WELL 1 - 3600 TECHNY RD W OF WESTRN AVE	A	N	42N 12E 18 1E 2215S 62W 029D	E	D2	200	6080	1399
02	20645-W 18 OLD WELL ON CENTRAL AVE N OF ARDEN	A	N	42N 12E 17 7F 1450S 750E 029D	E	D2	200	5656	286
03	20646-WELL 2 - ON LAKE KNOLL E OF WHRLAWAY DR	A	N	42N 12E 17 7D 2100N 800E 029D	E	D2	200	5656	237
04	20647-WELL 4 POST AND CORNFLOWER	A	N	42N 12E 17 8A 500N 25E 029D	E	D2	200	5656	170
0310150 - BELLWOOD									
		POPULATION:		20,000	SRVC CONN:		6,185	FACL STATUS:	
1	01 21083-W1 SE CORNER 30TH AND GRANT BELOW TOWER	A	N	39N 12E 09 3F 1400S 1500W 032A	C1		200	6080	1954
2	01 21084-W2 SW CORNER ST CHARLES PL AND EASTERN	A	Y	39N 12E 09 5F 1750S 2750W 032A	C1		200	6080	1966
3	02 21085-W3 NW CORNER MADISON AND EASTERN BY PLNT	A	N	39N 12E 09 5A 100N 2875W 032A	C1 D2		200	6080	1465
0310070 - BUCKHORN RANCH ESTS MHP									
		POPULATION:		575	SRVC CONN:		230	FACL STATUS:	
4	01 00128-W1 N OF I90 AT PARK AV & ALPINE LANE	A	N		032B	E	200		340
5	02 00129-WELL 2 W OF OFFICE IN LAUNDRY BLDG	A	Y		032B	E	200		
0310150 - BELLWOOD									
		POPULATION:		20,000	SRVC CONN:		6,185	FACL STATUS:	
6	03 21086-W4 NW CORNER ST CHARLES RD AND 50TH AVE	A	N	39N 12E 08 5G 1100S 2350E 032B	C1		200	6080	1960
0430050 - ADDISON									
		POPULATION:		30,106	SRVC CONN:		7,892	FACL STATUS:	
01	20734-W1 105 LAKE ST E OF IOWA AVE	A	N	40N 11E 28 4F 1350S 2000W 032B	C1 D2		400	5656	155
02	20735-W4 530 WESTGATE DR BEHIND OVERTON CORP	A	Y	40N 11E 33 7F 1350S 1050E 032B	E	D2	200	5656	250
0430350 - ELMHURST									
		POPULATION:		43,567	SRVC CONN:		13,984	FACL STATUS:	
8	02 20770-W1 S SIDE SCHILLER ST E OF YORK RD	I	N	39N 11E 01 8E 2000S 200E 032B	E	D2	200	6393	1480
9	02 20772-W3 127 LARCH AVE EAST SIDE OF STREET	A	N	39N 11E 02 2E 2000S 780W 032B	E	D2	200	6387	1502
04	20773-W4 W SIDE OF SCOTT ST S OF ST CHARLES RD	A	N	39N 11E 10 1H 100S 550W 032B	E	D2	200	6387	1390
7	05 20774-W5 N OF VALLETTE ST E OF YORK RD	A	N	39N 11E 12 8E 2500S 225E 032B	E	D2	200	6393	1446
06	20775-W6 NW CORNER OF ARMITAGE AVE AND WALNUT	A	N	40N 11E 35 5E 2590S 2430E 032B	E	D2	200	6393	1476
08	20778-W9 E SIDE OF ADDISON AVE S OF DIVERSEY	A	N	40N 11E 26 1D 2300N 400W 032B	E	D2	200	6693	1475
0430800 - VILLA PARK									
		POPULATION:		23,185	SRVC CONN:		6,730	FACL STATUS:	
01	20679-W1 N SIDE OF HOME AVE NEXT TO PUB WKS	A	N	39N 11E 09 1H 250S 415W 032B	E	D2	200	6393	1912
01	20680-W2 N SIDE OF HOME AVE APPROX 385FT W W1	A	N	39N 11E 09 2H 250S 800W 032B	E	D2	200	5697	2125
03	20681-W3 E OF ARDMORE AVE N OF HIGHLAND AVE	I	N	39N 11E 10 8E 2411S 250E 032B	E	D2	200	5661	285
04	20682-W4 40FT SE OF WELL 3	I	N	39N 11E 10 8E 2450S 262E 032B	E	D2	200	5661	251
05	20683-W7 W SIDE PRINCETON N OF PLYMOUTH BY TWR	A	N	39N 11E 04 1E 2050S 550W 032B	E	D2	200	6393	1419



Illinois Environmental
Protection Agency



SITE NAME: Gold Shield Solvents
SITE ILO # 074424938

USGS TOPOGRAPHIC MAPS

NAME Elmhurst, IL 32B
DATE 1963
REVISED 1972, 1980

NAME River Forest, IL 32A
DATE 1963
REVISED 1972
Photorevised 1978

NAME Hinsdale, IL 32C
DATE 1963
REVISED 1972, 1980

NAME Berwyn, IL 32D
DATE 1963
REVISED 1972, 1980



QUADRANGLE LOCATION

MAP SCALE: 0

1 mile

REFERENCE NUMBER 6

BRIDGE FOUNDATION BORING LOG

Sl. of Jn

A&H File 5-0509

PROJECT P-90-054-70

BRIDGE Mannheim Road

Date 1-11-71

ROUTE FA-45

Over C.M.St.P.& P. RR

Bored By J.E. & R.H.

464-Y

STA.

Checked By R.B. & S.S.

COUNTY Cook

Boring No. SB-13

Station See Sheet 5

Offset

Ground Surface Elev 648

GRAVEL

n CLAY

Gray CLAY

Surface Water El.

Groundwater El. at

Completion

After Hours

45'

Elevation

N

Qu t/s.f.

w (%)

Elevation

N

Qu t/s.f.

0

8

-5

14

-10

12

-15

12

-20

16

14

-25

8

21

-30

39

38

-35

68

33

-40

27

39

-45

Gray CLAY

Gray SILTY LOAM

Gray CLAY

N - Standard Penetration Test -
Blows per foot to drive 2"
D.D. Split Spoon Sampler 12" with

Qu - Unconfined Compressive
Strength - t/sf

Type failure:
B - Bulge Failure
S - Shear Failure

BRIDGE FOUNDATION BORING LOG

A&H File 5-0509

PROJECT P-90-054 -70
ROUTE FA-45BRIDGE Mannheim Road
Over C.M.St.P.&P. RRDate 1-11-71Bored By J.E. & R.H.Checked By R.B. & S.S.COUNTY CookBoring No. SB-13 Cont'd.Station See Sheet 5

Offset _____

STA. _____

Ground Surface

Gray CLAY

END OF BORING
AUGER REFUSAL

Elevation	N	Qu t/s.f.	w (%)	Surface Water El.	Groundwater El. at Completion	After _____ Hours	Elevation	N	Qu t/s.f.
-45					45'				
	50	10.3	15						
							-70		
	56	8.9	16						
-50	100 for 5"		9						
							-75		
-55									
							-80		
-60									
							-85		
-65									
							-90		

N - Standard Penetration Test -
Blows per foot to drive 2"
C.D. Split Spoon Sampler 12" withQu - Unconfined Compressive
Strength - t/sfType failure:
B - Bulge Failure
S - Shear Failure

Illinois Department of Transportation

595 South State Street Elgin Illinois 60120

BORING LOG

400' N LAKE STREET

Project Location:

MANHEIM ROAD
FA ROUTE 45
SECTION 464-Y
COOK COUNTY
P-90-054-70

Boring

1

Date

OCTOBER 27 76

Line

NB Shoulder

Weather

Snow

Station

9+00

Crew

Baroni-Hallock

Offset

8' E

Geologist

~~STERN~~ GROW

Elevation	Visual Description and Field Classification	TEST DATA				Sample Number
		Consistency	Moisture Can w%			
.5	CRUSHED STONE (CA-7)					
1.0	White Limestone.					
.5						
2.0						
.5						
3.0						
.5						
4.0	DARK gray, moist		239	29.7		
.5	Pliable CLAY					
5.0						
.5		24 hrs				
6.0	LT. Gray mottled with		240	26.0		
.5	Orange, CLAY (till)					
7.0						
.5						
8.0	LT gray mottled		374	29.8		
.5	SOFT, WET silty CLAY					
9.0	(till)					
.5						
10.0			285	27.6		
.5	LT Gray					
11.0	SOFT, WET					
.5	SILTY CLAY (till)					
12.0						

Illinois Department of Transportation

595 South State Street Elgin Illinois 60120


BORING LOG

287' N of Division St

Project Location:

MANHEIM ROAD
FA ROUTE 45
SECTION 464-Y
COOK COUNTY
P-90-054-70

Boring 2 Date OCTOBER 27 76
Line SB Shoulder Weather SNOW
Station 19+00 Crew BORAN H. HOCK
Offset 35+00 Geologist STURN

Elevation	Visual Description and Field Classification	TEST DATA				Sample Number
		Consistency	Moisture Can	w%		
.5	GRAVEL					
1.0	GRAY Fill soil					
.5						
2.0		STIFF	102	16.5		
.5	 24 hours STIFF OLIVE BROWN SIC weathered Till OXID.					
.5						
4.0		STIFF	30	19.8		SAMPLE
.5						
5.0						
.5						
6.0		STIFF	359	18.6		1
.5						
7.0						
.5						
8.0		STIFF	315	18.5		
.5	GRAY SIC					SAMPLE
9.0						
.5						
10.0			75	17.9		2
.5						
12.0			432	16.9		

OVER

Illinois Department of Transportation

595 South State Street Elgin Illinois 60120

BORING LOG

345' N HIRSCH ST

3

Project Location:


Boring 3 Date OCTOBER

Line 47+00 Weather SNOW

Station 31+00 Crew BORON, DULOCK

Offset 24 E Geologist STURN

MANNHEIM ROAD
FA ROUTE 45
SECTION 464-Y
COOK COUNTY
P-90-054-70

Elevation	Visual Description and Field Classification	TEST DATA				Sample Number
		Consistency	Moisture Can	w%		
.5	BLACK SAND LOAM  IRON NAILS WOOD					SAMPLE #3
1.0						
.5						
2.0		LOOSE	266	8.4		
.5						
.5						
4.0		LOOSE	211	18.5		
.5						
5.0						
.5						
6.0	MOTTLED SIC GRAY-ORANGE-BRN WITH WET STAINS (SAND STAINS)	STIFF	355	22.6		
.5						
7.0						
.5						
8.0		STIFF	77	28.4		
.5						
9.0						
.5						
10.0		STIFF	430	25.2		
.5						
12.0	Bo Hom @ 10.0'					

Illinois Department of Transportation

595 South State Street Elgin Illinois 60120

440' SOUTH NORTH BORING LOG

Project Location:

MANHEIM ROAD
FA ROUTE 45
SECTION 464-Y
COOK COUNTY
P-90-054-70

Boring

4

Date

OCTOBER

Line

54100

Weather

SNOW

Station

33100

Crew

BALONI HALLOCK

Offset

2

Geologist

STURN

Elevation	Visual Description and Field Classification	TEST DATA				Sample Number
		Consistency	Moisture Can w%			
.5	BROWN SIC MOTTLED A-T-6 FILL	Friable				
1.0						
.5		Stiff	105	19.3		
2.0						
.5	BLACK SIC TOP SOIL					
3.0						
.5	MOTTLED (GRY-BRL) SIC	Stiff	83	23.2		
4.0						
.5	OLIVE BROWN weather ORD TILL	Stiff	62	22.0		
5.0						
.5						
6.0						
.5	YELLOWISH BROWN SIC (net)					
7.0						
.5			123	23.1		
8.0						
.5	GRAY CLAY TILL	LOOSE	209	21.2		
9.0		Stiff				
.5						
10.0						
.5						
11.0						
.5						
12.0						

Illinois Department of Transportation

595 South State Street Elgin Illinois 60120

560' N of North Ave BORING LOG

Project Location:

MANNHEIM ROAD
FA ROUTE 45
SECTION 464-Y
COOK COUNTY
P-90-054-70

NB shoulder

Boring 5

Date OCTOBER 27, 76

Line 64+00

Weather SNOW

Station 48+00

Crew Hellock BORONI

Offset 39' P/E

Geologist STURN

Elevation	Visual Description and Field Classification	TEST DATA				Sample Number
		Consistency	Moisture Can	w%		
.5	FILL MIXED CLAYS					
1.0						
.5						
2.0		Stiff	316	20.1		
.5						
3.0	BLACK SIC	Sl. H	327	29.1		
.5						
4.0	MOTTLED SIC	Sl. H	241	27.6		
.5						
5.0	(wet seams) pebbly	24 hours				
.5						
6.0		Stiff	325	27.7		
.5						
7.0						
.5						
8.0	WET SEAMS GRAY-BROWN MOTTLES	MED	224	27.8		
.5						
9.0						
.5						
10.0	GRAY SIC	Sl. H	454	21.4		
.5						
11.0						
.5						
12.0						

no Hump 10.0'

Illinois Department of Transportation

595 South State Street Elgin Illinois 60120

770' Not James R

BORING LOG

Location:

WANNHEIM ROAD
PA ROUTE 45
SECTION 464-Y
COOK COUNTY
P-90-054-70

North
Shouklev

Boring 6 Date OCTOBER 27 76
Line 77+00 Weather Snow
Station 61+00 Crew Baroni Helleck
Offset 35 R+L Geologist STURN

Elevation	Visual Description and Field Classification	TEST DATA				Sample Number
		Consistency	Moisture Can	w%		
.5	GRAVEL SHOULDER					
1.0						
.5	BLACK SIC					
2.0		Med	A33	30.2		
.5		24 hours				
.5	Mo Hled SIC		219	31.9		
.5	(GRAVEL BEDDED)					
4.0	Loach oxidized weathered fill	Stiff	309	31.8		
.5						
5.0	Reddish BROWN			19.1		
.5	SANDY CLAY LOAM					
6.0	Pebbly (wet sand)	Stiff	218	16.3		
.5						
7.0						
.5	GRAY SIC	Very Stiff				
8.0						
.5						
9.0						
.5						
10.0			333	20.4		
.5						
11.0	Bo Home D. 21					
.5						
12.0						

Illinois Department of Transportation

595 South State Street Elgin Illinois 60120

50' NOF (MAJOR MCLEAN)

BORING LOG

NOV 1 76

7

Project Location:

MANNHEIM ROAD
FA ROUTE 45
SECTION 464-Y
COOK COUNTY
P-90-054-70

Boring

Date

Line

Weather

Station

Crew

Offset

Geologist

STURN

Elevation	Visual Description and Field Classification	TEST DATA				Sample Number
		Consistency	Moisture Can wt%			
.5	FILL					7A+60
1.0						SAMPLE
.5	BLACK					BLACK
2.0	SIC A-7-6	Stiff	277	18.2	#4	SIC
.5						ORGANIC
0			245	31.3		(245 W)
.5	MOTTLED SIC					
4.0	(Yellow-Grey-BRN)	Stiff	274	20.4		
5.3						
5.0	TILL (not shown)					
.5	Light Brown					
6.0	Silty clay	Stiff	306	21.6		
.5						
7.0	Pebbly w/ black shale					
.5						
8.0		Stiff	372	21.4		
.5						
9.0						
.5						
10.0		Stiff	395	22.1		
.5						
12.0	Bo Hom @ 10.5'					

Illinois Department of Transportation

595 South State Street Elgin Illinois 60120

265' N of PALMER

BORING LOG

11-1-76

Location:

MANNHEIM ROAD
FA ROUTE 45
SECTION 464-Y
COOK COUNTY
P-90-054-70

Boring

8

Date

OCTOBER

Line

NB Brookdale

Weather

64

Station

34+60

Crew



Smith - McHock

Offset

26 ft E

Geologist

STURN

Elevation	Visual Description and Field Classification	TEST DATA				Sample Number
		Consistency	Moisture Can w%			
.5	BLACK					
1.0	SIC TOPSOIL					
.5	ORGANIC		87	31		
2.0	MOTTLED SIC					
.5	GRAY & ORANGE	24 HES				
3.0	BEN		186	32.2		
.5	wet seams					
4.0	OLIVE BROWN	1	41	27.1		
.5	SIC TILL	VERY SLT				
5.0						
.5						
6.0			81	20.3		
.5						
7.0						
.5						
8.0			135	18.6		
.5						
9.0						
.5						
10.0			37	18.7		
.5						
11.0						
.5	GRAY SIC TILL					
12.0						

Illinois Department of Transportation

595 South State Street Elgin Illinois 60120

BORING LOG

Reda: Morrone LIQUORS @ Fullerton South

Project Location:

MANHEIM ROAD
FA ROUTE 45
SECTION 464-Y
COOK COUNTY
P-90-054-70

Boring

9

Date

Nov 1, 76
OCTOBER

Line

109

Weather

Clear

Station

93+00

Crew

Smith Baroni

Offset

Geologist

STURN

Elevation	Visual Description and Field Classification	TEST DATA				Sample Number
		Consistency	Moisture Can w%			
.5	FILL GRAVEL BROWN SAND					
1.0						
.5						
2.0	(ORGANIC ODOR (GAS?)) BLACK SIC A-7-L	Friable	24	15.8		
.5						
3.0				34.8		
.5		Stiff	17	35.7		
4.0						
.5	mottled sic			41.8		
5.0		Stiff	41	23.8		
.5						
6.0	Very silty loam BROWN mottled	loose				
.5		Friable	98	23.2		
8.0						
.5						
9.0						
.5	Bottom @ 10.0'					
10.0				37.8	23.4	
.5						
12.0						

46k Filler
34

DRY

Illinois Department of Transportation

595 South State Street Elgin Illinois 60120

BORING LOG

70' S AITGELD ST
CLARK ST

Nov 1, 1976

Location:

Boring

10

Date

OCTOBER

Line

117+00

Weather

Station

101+00

Crew

Smith-Hollock

Offset

R + E

Geologist

STURN

Elevation	Visual Description and Field Classification	TEST DATA				Sample Number
		Consistency	Moisture Can	w%		
.5	FILL Shoulder					
1.0	STONE					
.5						
2.0	BLACK SIC	St. H	40	17.4		
.5	(A-7-C)					
3.0						
.5	MOIST SIC					
4.0	(GREENISH GRAY)	St. H	352	29.7		
.5						
5.0	Wt - Seams					
.5	WITH Sand					
6.0		St. H	465	20.4		
.5						
7.0						
.5	TILL BROWN	VERY				
8.0	SIC OLIVE	St. H	133	19.9		
.5	Pebbly					
9.0						
.5	A-6	1/2 St. H	151	20.0		
10.0						
.5	Bottom of Hole					
.5	10.0'					
12.0						

8.0'



Illinois Department of Transportation

595 South State Street Elgin Illinois 60120

BORING LOG

MIDAS

RIGHTWOOD

Nov 1, 1976

Set Location:

Boring

Date

OCTOBER

Line

125+00

Weather

Station

109+00

Crew

Offset

R+E

Geologist

STURN

MANHEIM ROAD
FA ROUTE 45
SECTION 464-Y
COOK COUNTY
P-90-054-70

Elevation	Visual Description and Field Classification	TEST DATA				Sample Number
		Consistency	Moisture Can	w%		
.5	FILL Shoulder					
1.0	stone					
.5	BLACK SIC					
2.0		Stiff	91	21.7		
.5						
0						
.5	Yellow CLAY					
4.0	A-6 Very Plastic	Stiff	233	15.4		
.5						
5.0						
.5	BROWN SICK TILL					
6.0	lt Pebbly (SAND)	Stiff	268	17.7		
.5						
7.0	OLIVE BROWN SIC					
.5	TILL Pebbly	Very Stiff	341	18.9		
8.0						
.5						
9.0	GRAY SIC TILL	Very Stiff	235	17.7		
.5						
10.0						
.5	Bottom @ 10.0					
.5						
12.0						

(DEY)
Hole Fills
in @ 9.4'

SCHUBERT AVE

Illinois Department of Transportation

595 South State Street Elgin Illinois 60120

BORING LOG

X MART ENT →

Boring Location:

MANNHEIM ROAD
 FA ROUTE 45
 SECTION 464-Y
 COOK COUNTY
 P-90-054-70

Boring

12

Date

OCTOBER

Line

131+00

Weather

Clear 18°

Station

115+00

Crew

Smith-Hellock

Offset

Rt E

Geologist

STURN

Elevation	Visual Description and Field Classification	TEST DATA				Sample Number
		Consistency	Moisture Can %			
.5	Asphc lt + Stone					
1.0						
.5	BLACK SIC					
2.0		med	273	20.3		
.5						
0	BLACK SL wet					
.5						
4.0			294	26.4		
.5						
5.0	BLACK CLAY					
.5	Plastic	SPONGY med	13	36.5		
6.0						
.5	White SIC					
7.0	wet seams					
.5		stiff	305	31.9		
8.0						
.5						
9.0	OLIVE BROWN SIC					
.5			307	26.8		
10.0						
.5	Bottom @ 10.0					
.5						
12.0						

Wet Hole
 Note Pavt Reponds @ this location
 Very Poor Surface (Pavt)

Illinois Department of Transportation

595 South State Street Elgin Illinois 60120

BORING LOG

25' N GRAND AVE
e Grand Ave
GRAND AVE

13

Location:

MANHEIM ROAD
FA ROUTE 45
SECTION 464-Y
COOK COUNTY
P-90-054-70

Boring _____ Date OCTOBER

Line SB Shoulder Weather Cold

Station 126+00 Crew STURN

Offset 31' LE Geologist STURN

Elevation	Visual Description and Field Classification	TEST DATA				Sample Number
		Consistency	Moisture Can w%			
.5	Fill Sand & Gravel wet					
1.0						
.5						
2.0						
.5						
3.0	24hrs OLIVE BROWN SIC (TILL) Pebbly					
.5						
4.0						
.5						
5.0						
.5	Silt to Very Silt					
6.0						
.5						
7.0						
.5						
8.0	Bottom @ 10.0'					
.5						
9.0						
.5						
10.0						
.5						
11.0						
.5						
12.0						

Illinois Department of Transportation

595 South State Street Elgin Illinois 60120

BORING LOG

(TEXACO - Kentucky Chicken)

Nov 1, 1976

Project Location:

Boring

14 MIN

Date

OCTOBER

Line

158+00

Weather

Clear

Station

1A2+00

Crew

Smith LK/1600

Offset

R+

Geologist

STURN

Elevation	Visual Description and Field Classification	TEST DATA				Sample Number
		Consistency	Moisture Can	Wt %		
.5	Asphalt					
1.0						
.5	SAND FILL					
2.0						
.5	WATER LEVEL					
0.0	IMMEDIATELY					
.5	UPON DRILLING					
4.0						
.5						
5.0						
.5	BLACK CLAY	Wet				
6.0	SLAY Mottled	Med	319	25.5		
.5	Wet SIC					
7.0						
.5	BROWN CL	Wet				
8.0	A-A NET	Med	59	18.7		
.5						
9.0						
.5	TILL OLIVE BROWN	Very				
10.0	SIC A-C	Stiff	410	20.0		
.5						
.5	Below 11.0'					
12.0						

Illinois Department of Transportation

595 South State Street Elgin Illinois 60120

BORING LOG

Johnnie & LAYS GRILL

149
76
105

15

Project Location:

Boring

Date OCTOBER

Line

165+00

Weather

Clear 50°

Station

149+00

Crew

Smith Hellock

Offset

R+E

Geologist

STURN

Elevation	Visual Description and Field Classification	TEST DATA				Sample Number
		Consistency	Moisture Can w%			
.5	Shoulder Stone					
1.0	concrete BROKEN Fill wet SL					
.5						
2.0						
.5						
3.0						
.5		72 hours				
4.0	BROWN SIC					
.5		Very Stiff	87	25.6		
5.0	A-6					
.5						
6.0	Till	"	212	19.3		
.5						
7.0						
.5						
8.0	w/BLACK shale pebbles	"	215	19.1		
.5						
9.0						
.5						
10.0	Bottom @ 10.0'	"	9	18.3		
.5						
.5						
12.0						

110 S BELLEPLAIN AVE

Illinois Department of Transportation

595 South State Street Elgin Illinois 60120

BORING LOG

Project Location:

Boring

16

Date

OCTOBER

Line

222+00

Weather

18°

Station

206+00

Crew


Smith - H. H. H. H.

Offset

21' RT E

Geologist

STURN

Elevation	Visual Description and Field Classification	TEST DATA				Sample Number
		Consistency	Moisture Can	w%		
.5	VERY COARSE ROCK HAD TO DIG TO 1.0' By hand	Blast				
1.0		Rock				
.5						
2.0	BLACK SIC	Soft	353	25.7		
.5						
.5						
.5	TILL OLIVE BROWN Silty clay (w/white pebbles) A-6	Very Stiff	120	18.4		
4.0						
.5						
5.0	A-6 	Hard	162	18.5		
.5						
6.0						
.5	(wet seam)	Stiff	53	24.5		
7.0						
.5						
8.0	GRAY SIC TILL	Very Stiff	204	18.6		
.5						
9.0						
.5	Bottom @ 11.0'					
10.0						
.5						
12.0						

1.0'



Illinois Department of Transportation

595 South State Street Elgin Illinois 60120

BORING LOG

Project Location:

MANHEIM ROAD
FA ROUTE 45
SECTION 464-Y
COOK COUNTY
P-90-054-70

Boring _____ Date OCTOBER

Line _____ Weather _____

Station _____ Crew _____

Offset _____ Geologist STURN

Elevation	Visual Description and Field Classification	TEST DATA				Sample Number
		Consistency	Moisture Can	W _s		
.5	BLACK SOIL w/humus; resistant residual pebbles					
1.0		SOFT				
.5		To				
2.0	Yellowish Brown Soil Clay-enriched subsoil	Med				
.5						
3.0		med				
.5	Mottled clay soil leached; OXIDIZED DRIFT					
4.0		Med				
.5		to				
5.0	Olive brown soil OXIDIZED DRIFT	Stiff				
.5		Stiff				
6.0						
.5	GRAY to Blue unaltered drift	to				
7.0		U Stiff				
.5						
8.0		Stiff				
.5						
9.0						
.5						
10.0						
.5						
11.0						
.5						
12.0						

Illinois Department of Transportation

595 South State Street Elgin Illinois 60120

BORING LOG

Project Location:

MANNAHAN RD
US Rte 45

Boring

1

Date

9-10-76

Line

NR Mile knee

Weather

64' Sunny

Station

120' N Soil

Crew

Baroni Smith

Offset

3'

Geologist

Grow-Stur.

Elevation

Visual Description
and
Field Classification

TEST DATA

Consistency

Moisture
Can w%

Sample
Number

.5

2" BLACKTOP MAT

1.0

8" concrete (fractured -
NO steel observed in 6"
core.

.5

2.0

BLACK clay

.5

3.0

400 43

.5

4.0

Greenish Gray clay

434 33

.5

5.0

Brown, Sandy clay loam till

.5

6.0

.5

7.0

.5

8.0

.5

9.0

Sand & Gravel, Brown
WET

.5

10.0

Gray, Hard, Silty clay till

.5

11.0

.5

12.0

Appendix A
Illinois Location Map

Detrex Chemical Industries
Gold Shield Solvents



SITE LOCATION

Appendix B

Site 4-Mile Radius Map

Appendix C

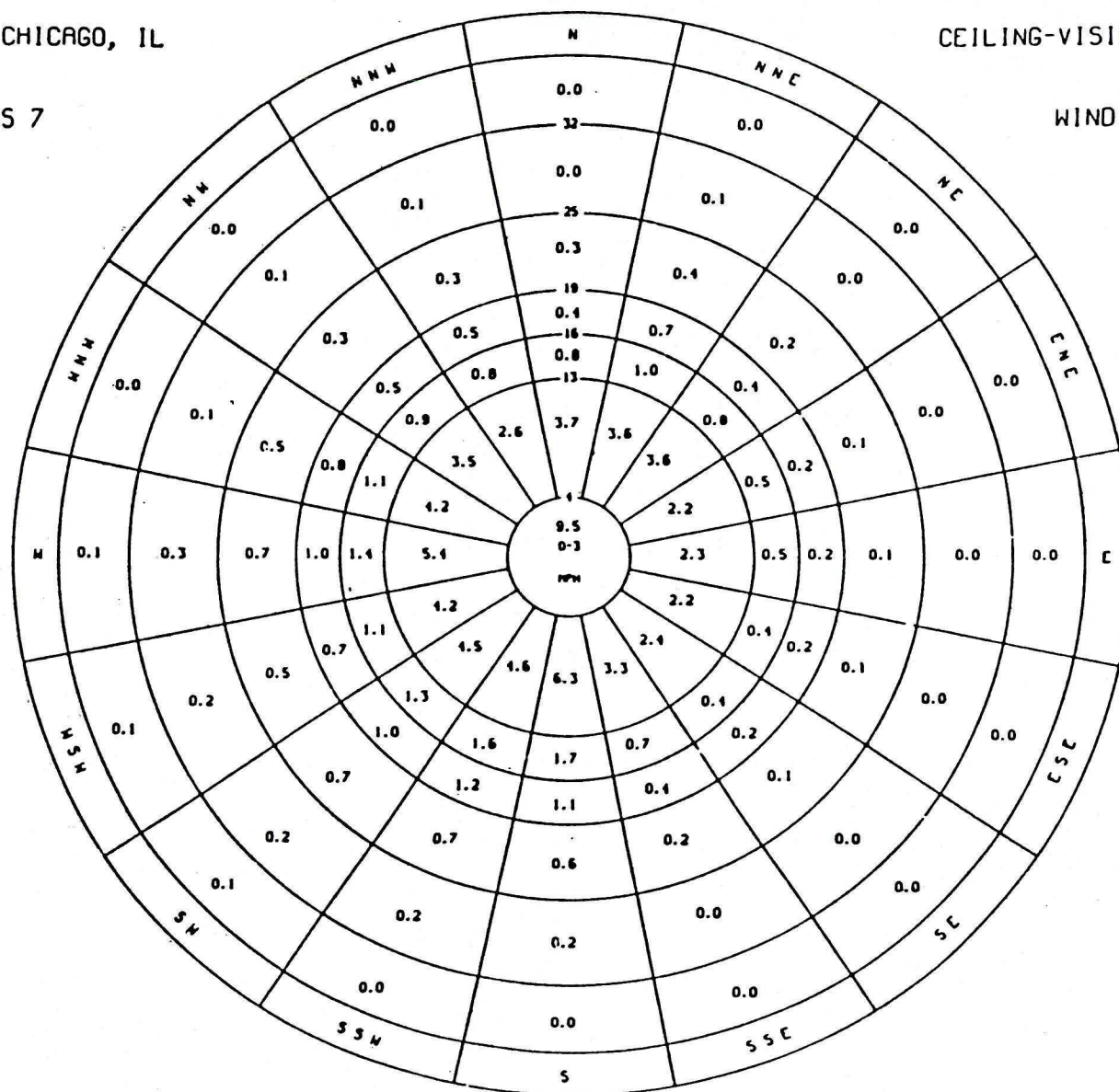
Wind Rose

ORD CHICAGO, IL

CLASS 7

CEILING-VISIBILITY

WIND GRAPH



WIND ROSE
Detrex Corporation
Gold Shield Solvents, Melrose Park

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

DETREX CHEMICAL INDUSTRIES, INC.

P.O. BOX 501, DETROIT, MICHIGAN 48232



TWX 810-224-4756

TELEPHONE
(313) 358-5800

February 28, 1986

RCRA Activities
Region V
P. O. Box A 3587
Attention: ATKJG
Chicago, IL 60690

Gentlemen:

Re: Certification Regarding Potential Releases from
Solid Waste Management Units

Enclosed are completed Certification forms for the following units:

MID 020906764	-	Grand Rapids, MI
MID 091605972	-	Detroit, MI
✓ ILD 074424938	-	Melrose Park, IL
IND 085616837	-	Indianapolis, IN
OHD 080158702	-	Euclid, OH

Very truly yours,

A handwritten signature in cursive script, appearing to read 'W. G. Robrecht'.

W. G. Robrecht
Manager - Corporate Engineering

/smb

Encl.

CERTIFICATION REGARDING POTENTIAL RELEASES FROM
SOLID WASTE MANAGEMENT UNITS

FACILITY NAME: Gold Shield Division - Detrex Chemical Ind., Inc.

EPA I.D. NUMBER: ILD 074424938

LOCATION CITY: Melrose Park

STATE: Illinois

1. Are there any of the following solid waste management units (existing or closed) at your facility? NOTE - DO NOT INCLUDE HAZARDOUS WASTE UNITS CURRENTLY SHOWN IN YOUR PART A APPLICATION

	YES	NO
Landfill		X
Surface Impoundment		X
Land Farm		X
Waste Pile		X
Incinerator		X
Storage Tank (Above Ground)		X
Storage Tank (Underground)		X
Container Storage Area		
Injection Wells		X
Wastewater Treatment Units		X
Transfer Stations		X
Waste Recycling Operations		X
Waste Treatment, Detoxification		
Other		

2. If there are "Yes" answers to any of the items in Number 1 above, please provide a description of the wastes that were stored, treated or disposed of in each unit. In particular, please focus on whether or not the wastes would be considered as hazardous wastes or hazardous constituents under RCRA. Also include any available data on quantities or volume of wastes disposed of and the dates of disposal. Please also provide a description of each unit and include capacity, dimensions and location at facility. Provide a site plan if available.

N/A

NOTE: Hazardous wastes are those identified in 40 CFR 261. Hazardous constituents are those listed in Appendix VIII of 40 CFR Part 261.

3. For the units noted in Number 1 above and also those hazardous waste units in your Part A application, please describe for each unit any data available on any prior or current releases of hazardous wastes or constituents to the environment that may have occurred in the past or may still be occurring.

Please provide the following information

- a. Date of release
- b. Type of waste released
- c. Quantity or volume of waste released
- d. Describe nature of release (i.e., spill, overflow, ruptured pipe or tank, etc.)

a) August 23, 1985

b) Virgin 1,1,1 Trichloroethane

c) Est. 14476#

d) Ruptured pipe

4. In regard to the prior or continuing releases described in Number 3 above, please provide (for each unit) any analytical data that may be available which would describe the nature and extent of environmental contamination that exists as a result of such releases. Please focus on concentrations of hazardous wastes or constituents present in contaminated soil or groundwater.

The release was on a concrete surface inside a warehouse. The majority of the spill evaporated. An unknown quantity spilled into the concrete dockwell and went to the city sewer system. There was no soil contamination.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the submittal is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (42 U.S.C. 6902 et seq. and 40 CFR 270.11(d))

Typed Name and Title

Signature

Date _____